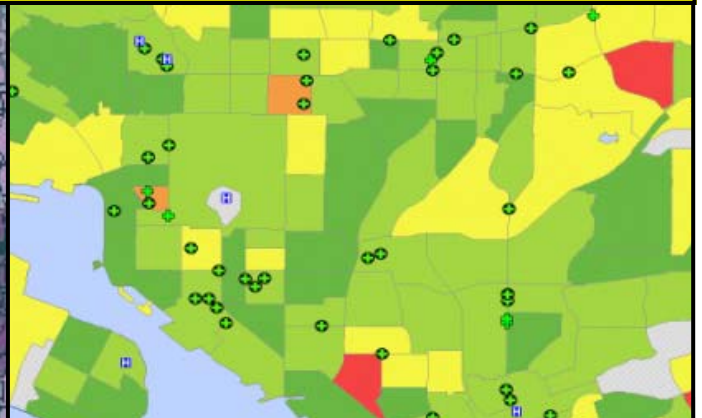
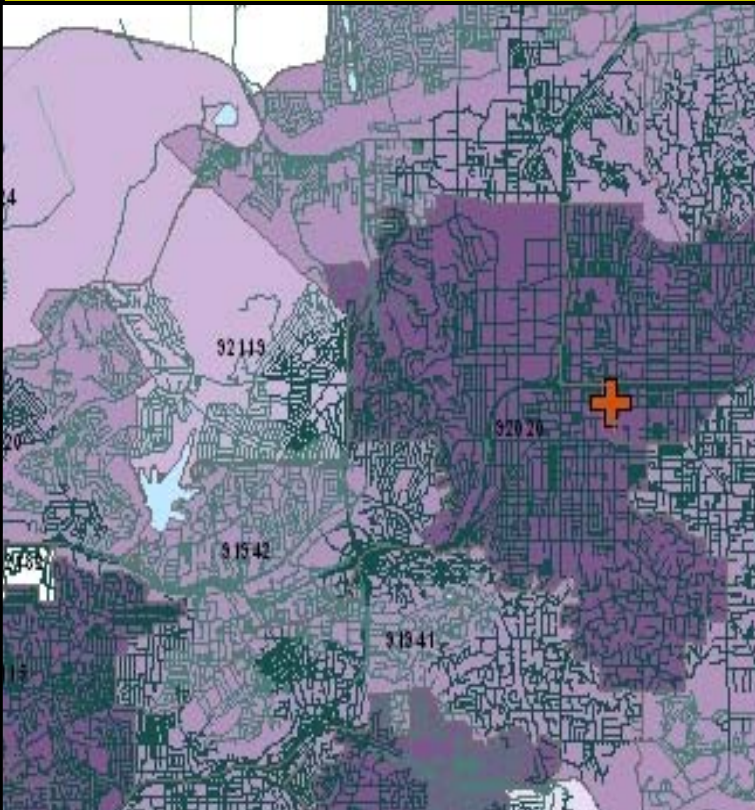


Chronic Disease Atlas - COPD - San Diego County



JUNE 2012

Chronic Obstructive Pulmonary Disease (COPD) Medical Encounter* Rates San Diego County by Subregional Area, by Year

*COPD deaths refer to underlying (single) cause of death, ICD-10 codes J40-J44.

*COPD hospitalizations refer to principal diagnosis, ICD-9 CM codes 490-492, 496.

*COPD emergency department discharges refer to principal diagnosis, ICD-9 CM codes 490-492, 496.

Medical Encounters*

Death Data is based on underlying cause of death (not multiple causes) and uses ICD-10 codes. Those included are residents of San Diego County with known zip code of residence.

Source: Death Statistical Master Files (CA Department of Public Health), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch.

Hospital Data is based on principal diagnosis and uses ICD-9 CM codes. Those included are residents of San Diego County with known zip code of residence.

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch.

Emergency Department (ED) Data is based on principal diagnosis and uses ICD-9 CM codes. ED discharges are those patients treated and discharged from the ED. Patients admitted to the hospital are not included here, but in the hospitalization data. Those included are residents of San Diego County with known zip code of residence.

Source: HASD&IC, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database.

Population Data Source: San Diego Association of Governments (SANDAG), Current Population Estimates, 10/2010.

Data (rates) prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, from Community Profile.

Maps prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Emergency Medical Services.

Contact Information:

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6255 Mission Gorge Road
San Diego, CA 92120
(619) 285-6479

Isabel.Corcros@sdcounty.ca.gov

(Spatial Epidemiologist for EMS)

Alicia.Sampson@sdcounty.ca.gov

(Epidemiologist for CHSU)

Leslie.Ray@sdcounty.ca.gov

(Senior Epidemiologist for EMS and CHSU)

For more detailed explanation of geography, methods, and sources,
see online Community Profile at www.SDHealthStatistics.com

**COPD Death Rates
Among San Diego County Residents
by Subregional Area**

Maps by Year:

2000

2001

2002

2003

2004

2005

2006

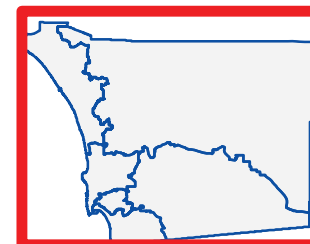
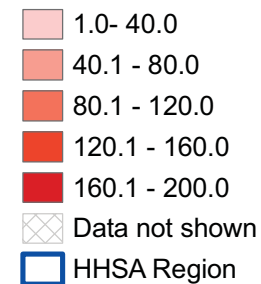
2007

2008

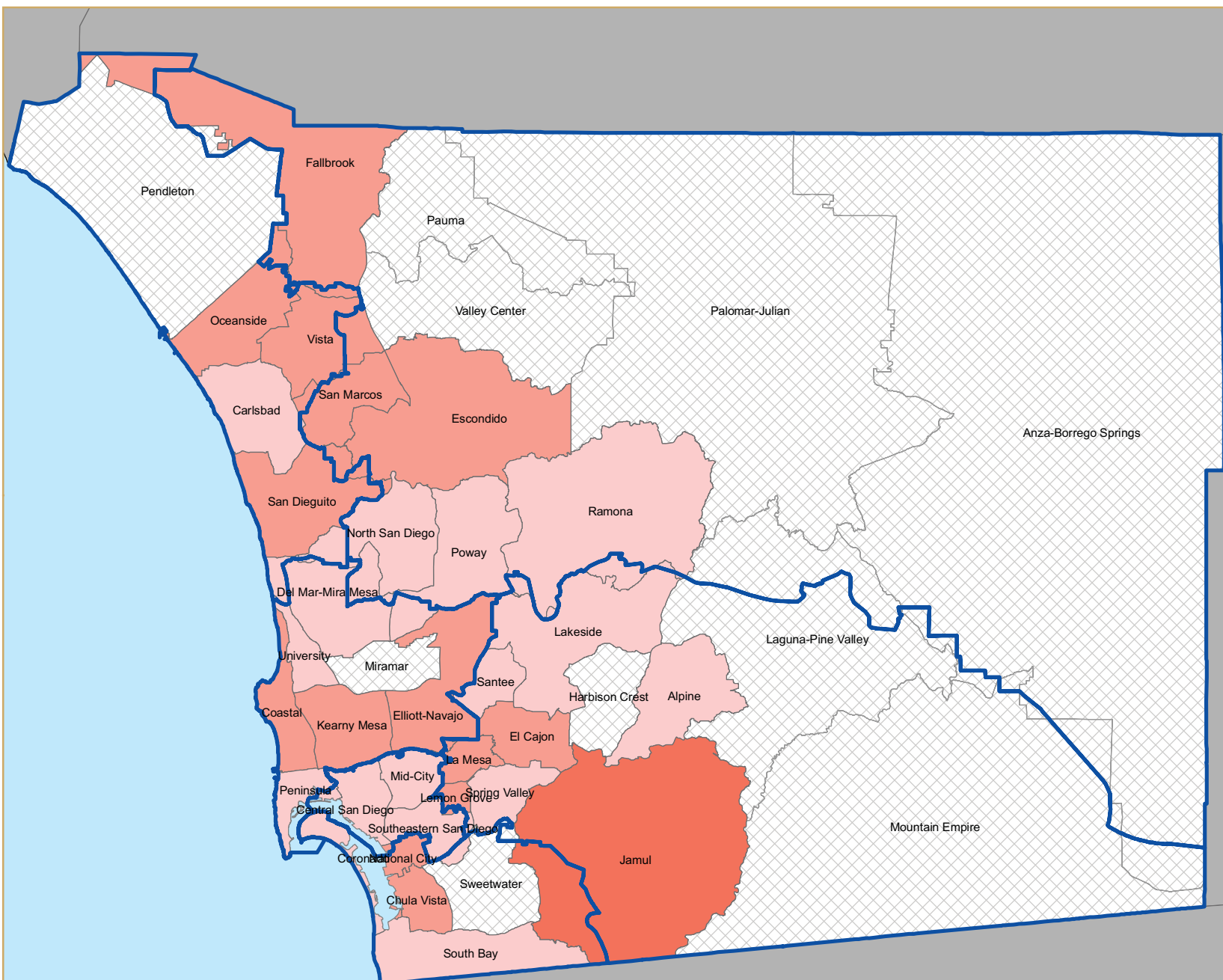
2009

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2000



4 2 0 4 Miles



* Rates per 100,000 population.

† COPD death refers to (underlying cause of death) ICD-10 codes J40-44.

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

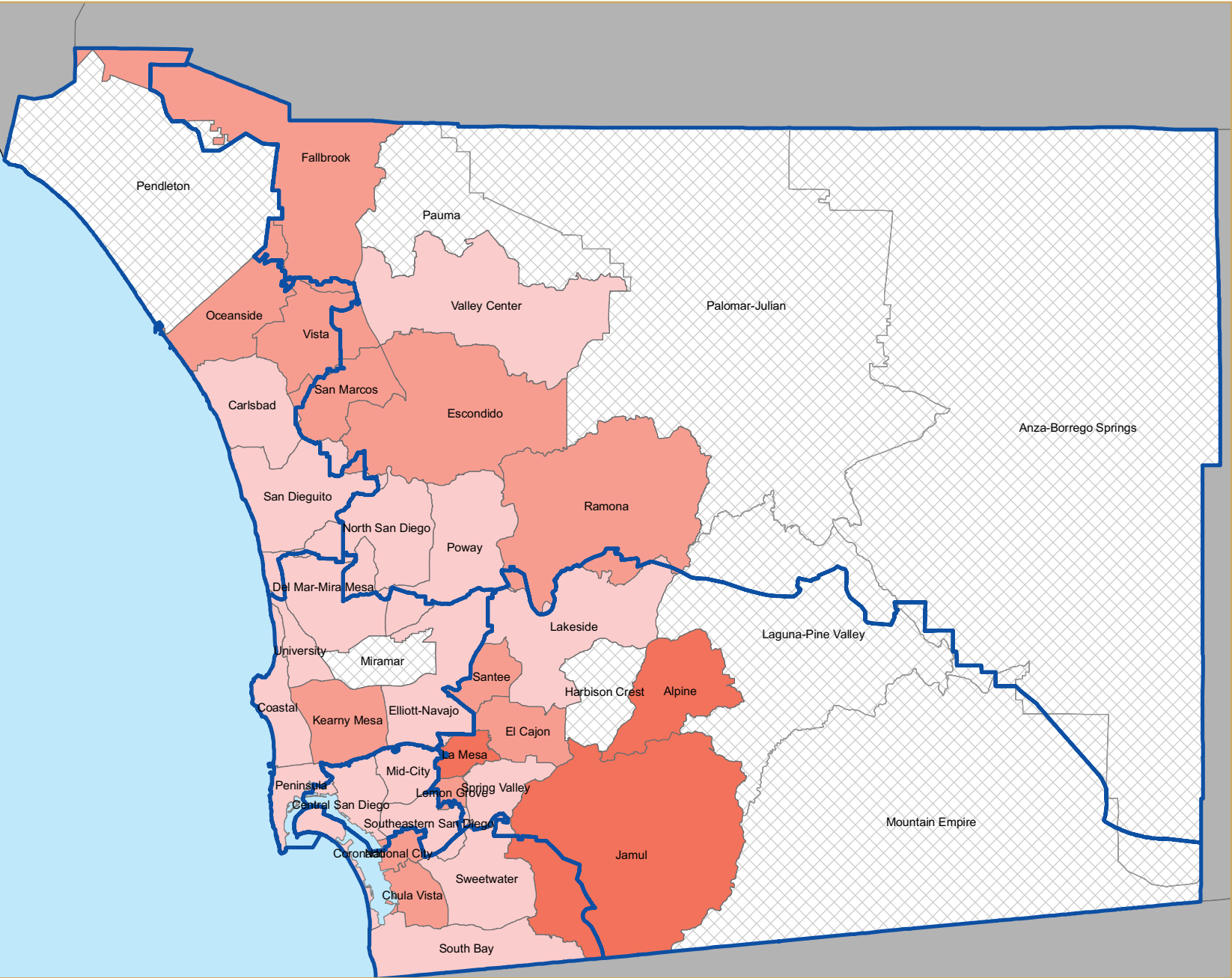
Source: Death Statistical Master Files (CADPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010
Contact: Isabel Corcos or Leslie Ray,
County of San Diego Emergency Medical Services
619.285.6429

NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US

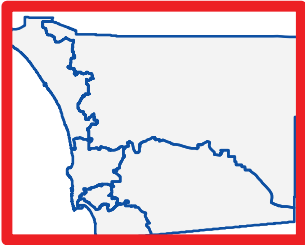
Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



COPD Death Rates, 2001

- 1.0 - 40.0
- 40.1 - 80.0
- 80.1 - 120.0
- 120.1 - 160.0
- 160.1 - 200.0

Data not shown
 HHS Region



4 2 0 4 Miles



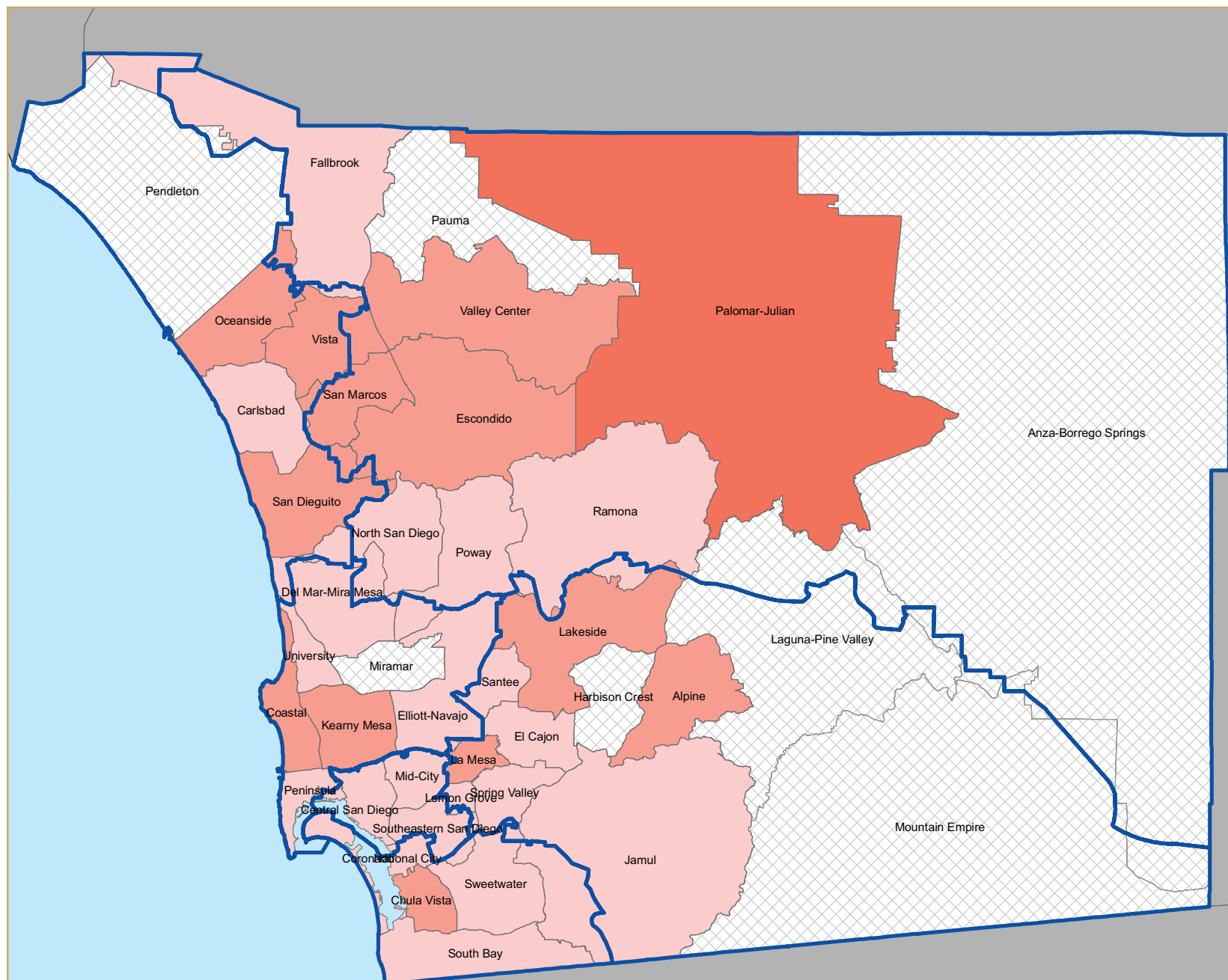
* Rates per 100,000 population.
 † COPD death refers to (underlying cause of death) ICD-10 codes J40-44.
 § Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: Death Statistical Master Files (CADPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

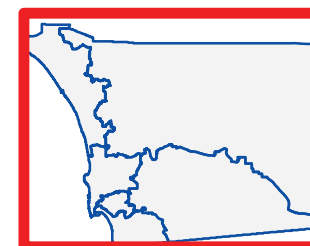
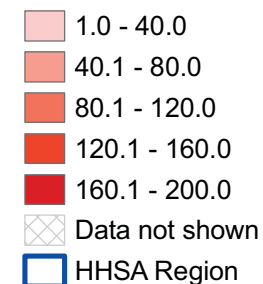
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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2002



4 2 0 4 Miles



* Rates per 100,000 population.

† COPD death refers to (underlying cause of death) ICD-10 codes J40-44.

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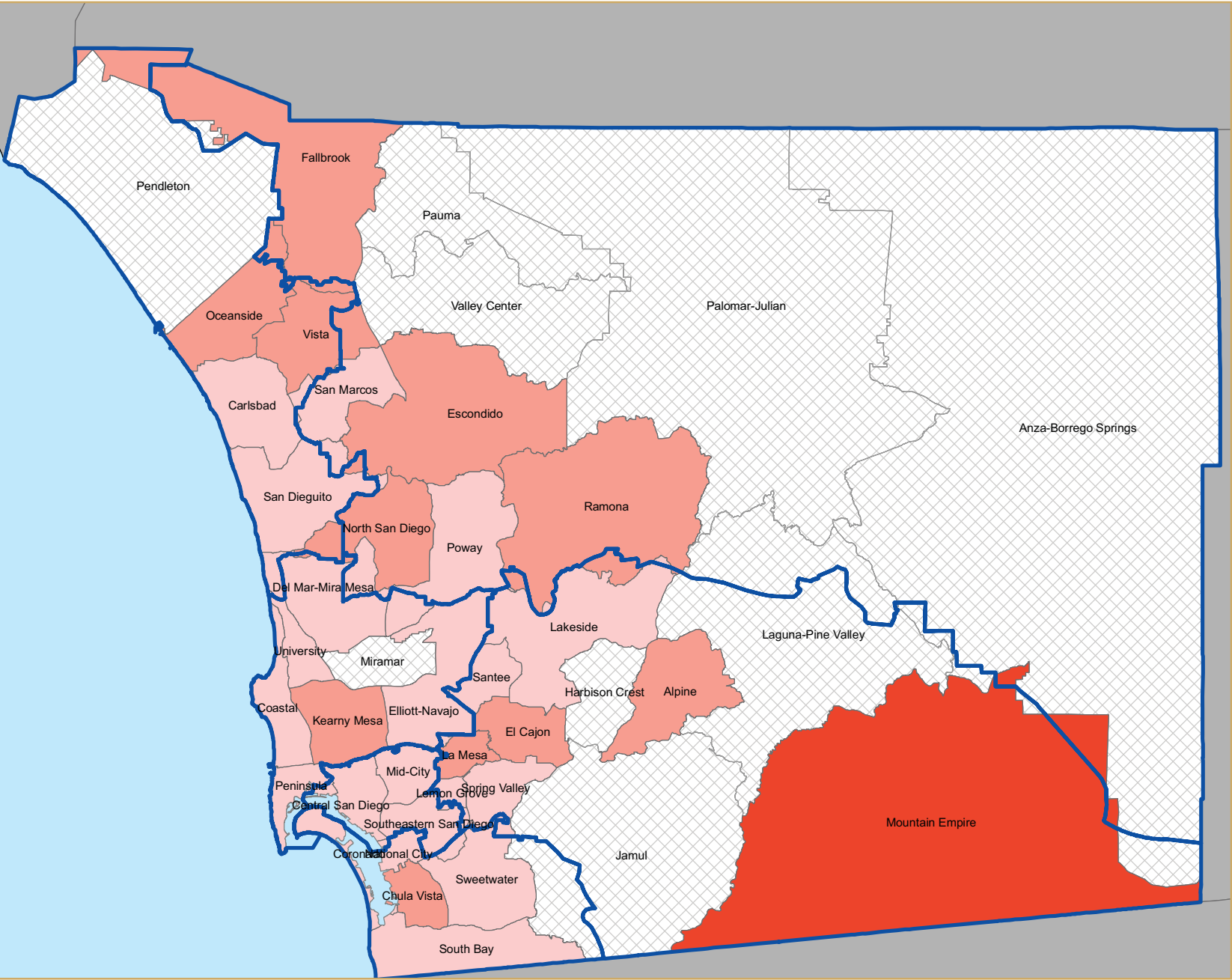
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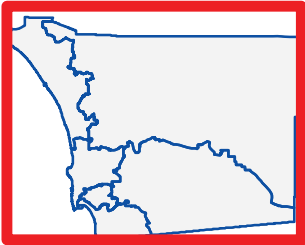
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983_Foot_US

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



COPD Death Rates, 2003

- 1.0 - 40.0
- 40.1 - 80.0
- 80.1 - 120.0
- 120.1 - 160.0
- 160.1 - 200.0
- Data not shown
- HHS Region



4 2 0 4 Miles



* Rates per 100,000 population.
 † COPD death refers to (underlying cause of death) ICD-10 codes J40-44.
 § Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

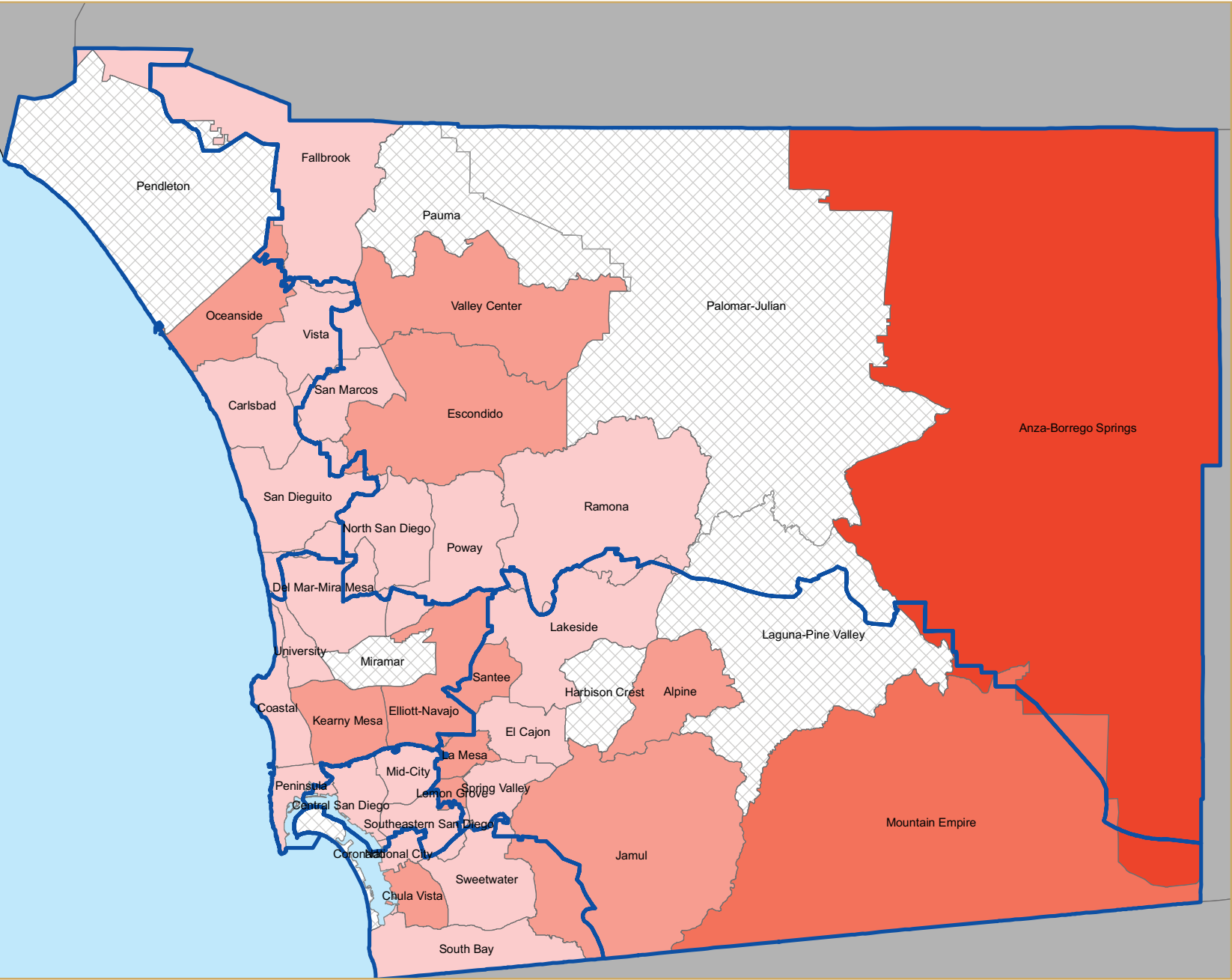
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 D_North_American_1983, Foot_US

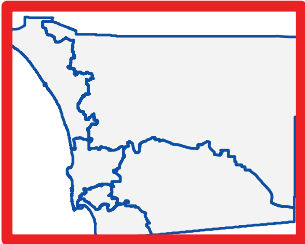
Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



COPD Death Rates, 2004

- 1.0 - 40.0
- 40.1 - 80.0
- 80.1 - 120.0
- 120.1 - 160.0
- 160.1 - 200.0

- Data not shown
- HHS Region



4 2 0 4 Miles



* Rates per 100,000 population.
 † COPD death refers to (underlying cause of death) ICD-10 codes J40-44.
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Source: Death Statistical Master Files (CADPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

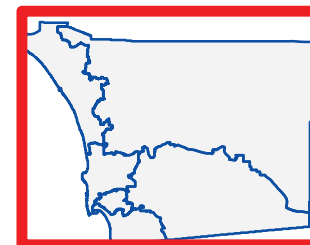
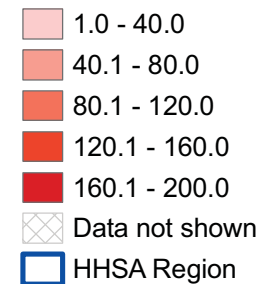
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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
 D_North_American_1983, Foot_US

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2005

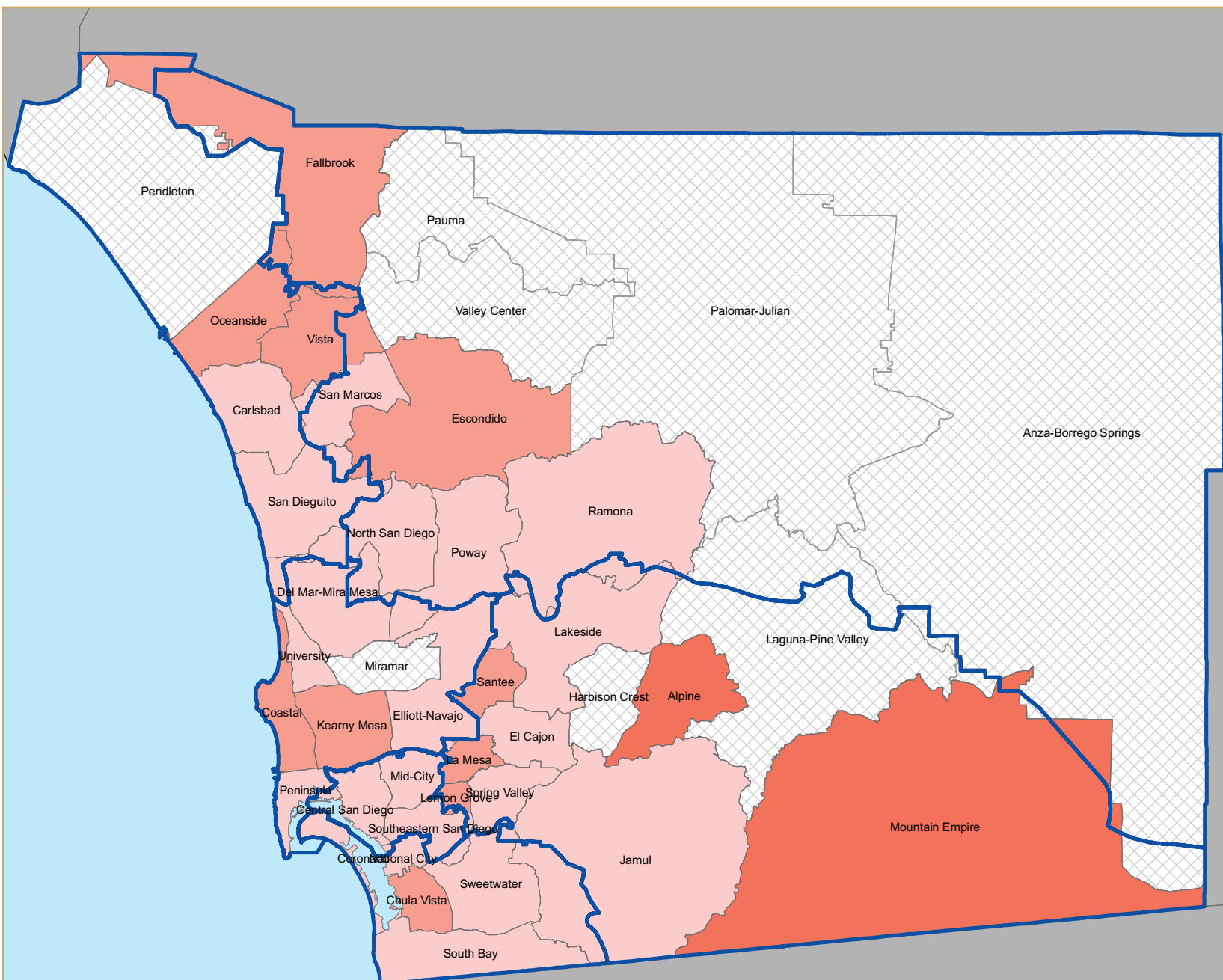


4 2 0 4 Miles



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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
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* Rates per 100,000 population.

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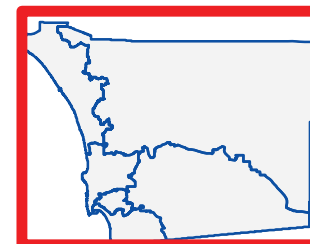
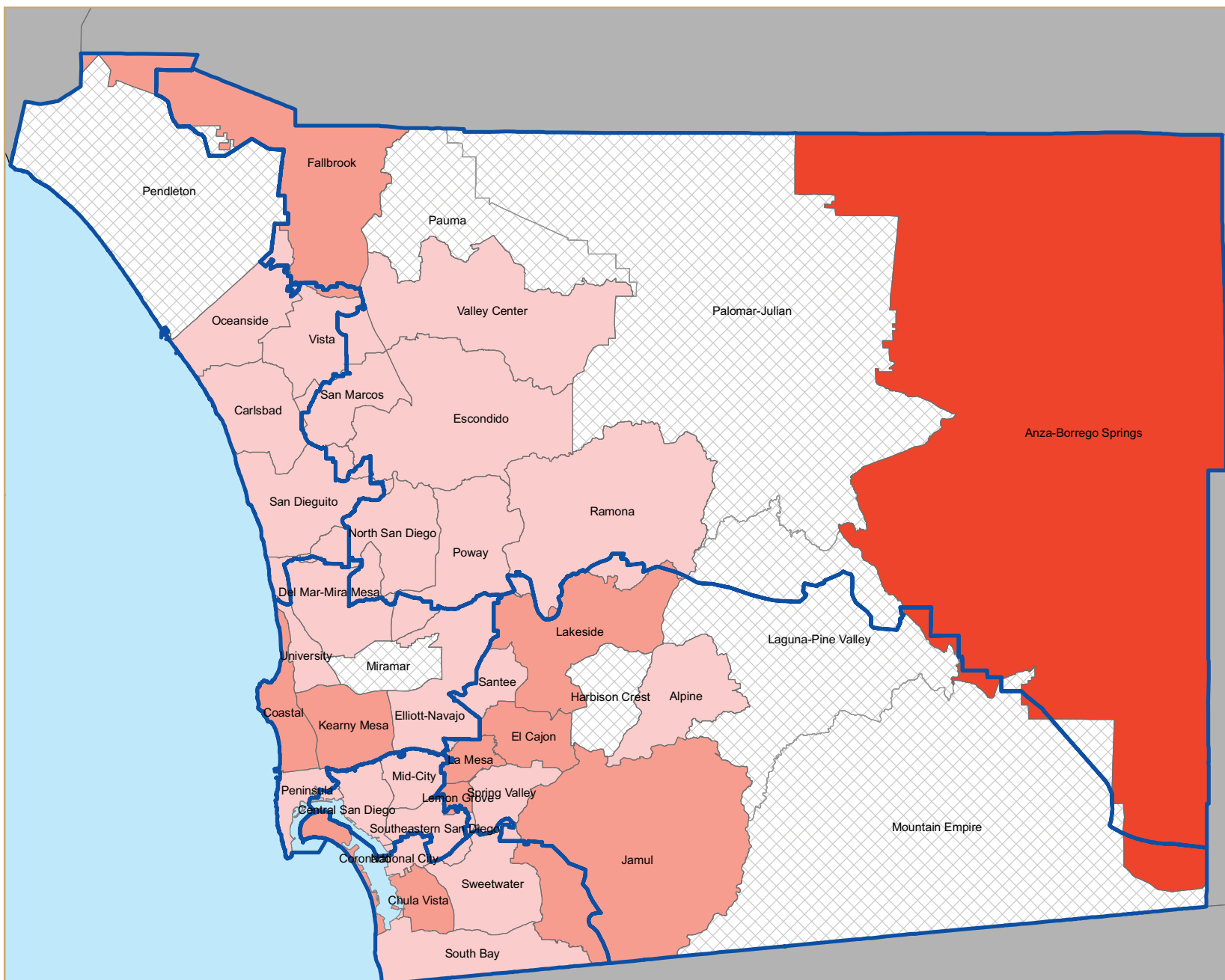
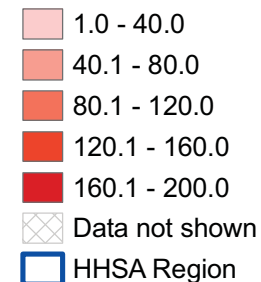
‡ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: Death Statistical Master Files (CADPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch;
SANDAG, Current Population Estimates, 4/24/2009.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2006



4 2 0 4 Miles



* Rates per 100,000 population.

† COPD death refers to (underlying cause of death) ICD-10 codes J40-44.

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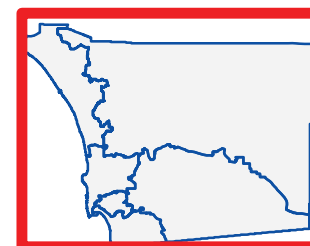
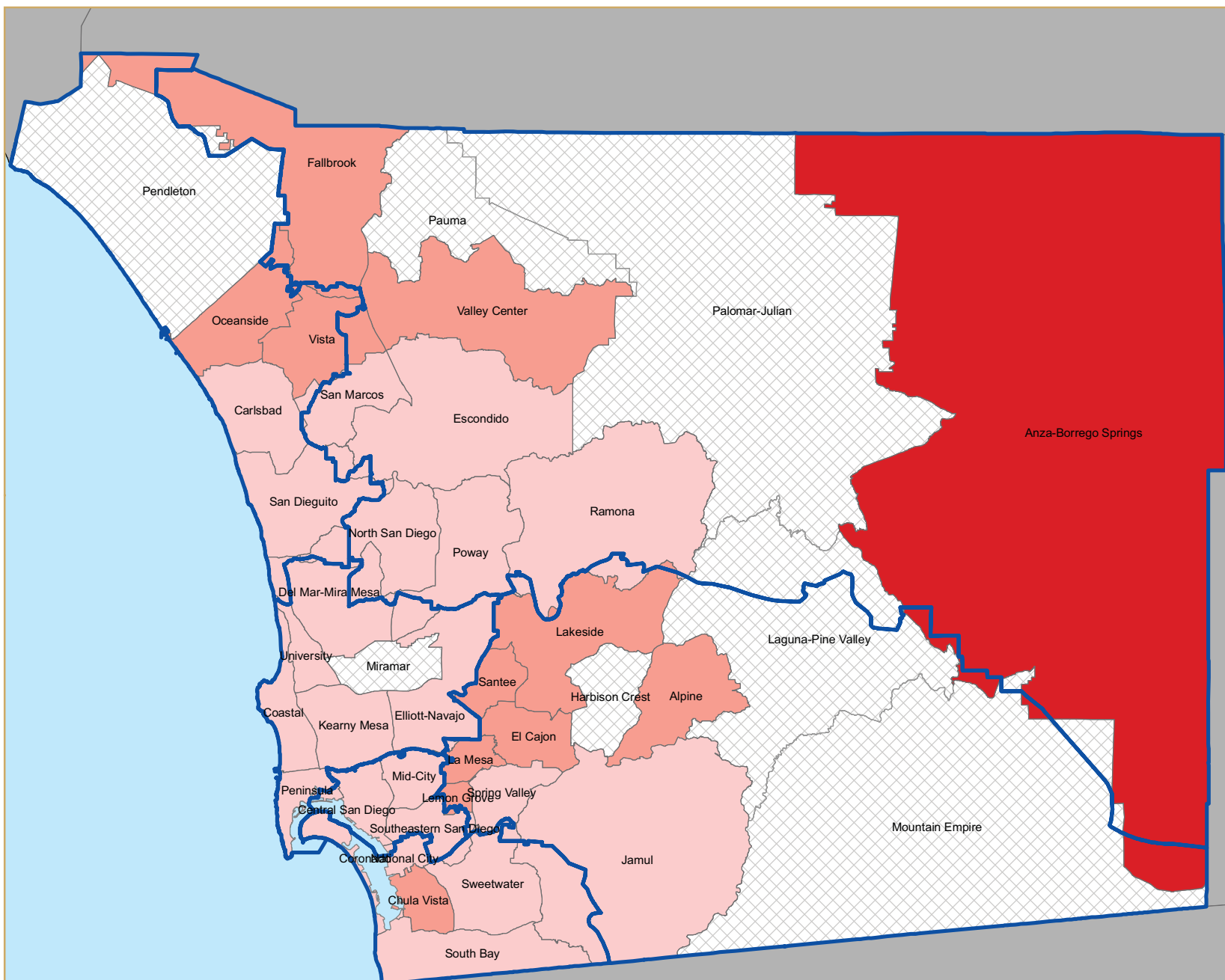
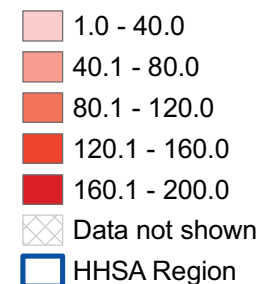
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHS), Community Health Statistics, 9/10/2010.

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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2007



4 2 0 4 Miles



* Rates per 100,000 population.

† COPD death refers to (underlying cause of death) ICD-10 codes J40-44.

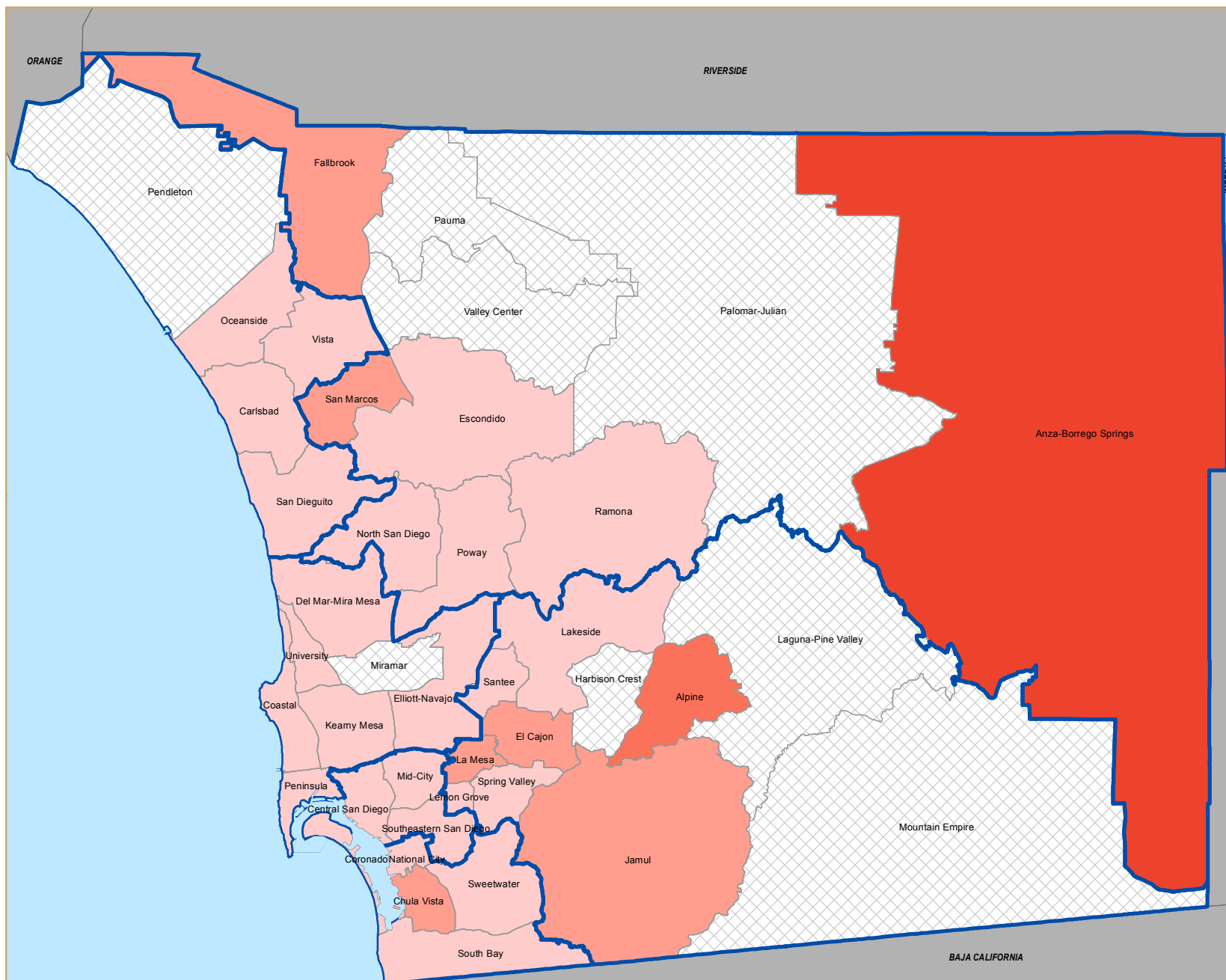
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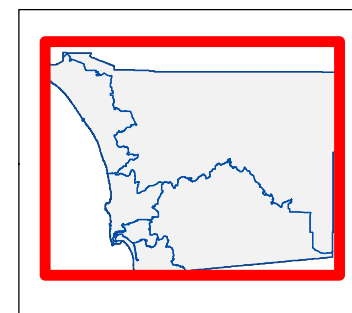
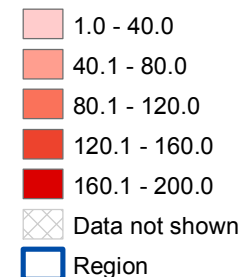
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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2008



4 2 0 4 Miles



COUNTY OF SAN DIEGO
HHSA
HEALTH AND HUMAN SERVICES AGENCY

SANDAG

SanGIS
We Have San Diego Covered!
SanGIS is a web-based geographic information system (GIS) that provides a variety of services to the public, including map viewing, data download, and data upload. It is a powerful tool for analyzing spatial data and for making informed decisions about land use and resource management.

* Rates per 100,000 population.

† COPD death refers to (underlying cause of death) ICD-10 codes J40-44.

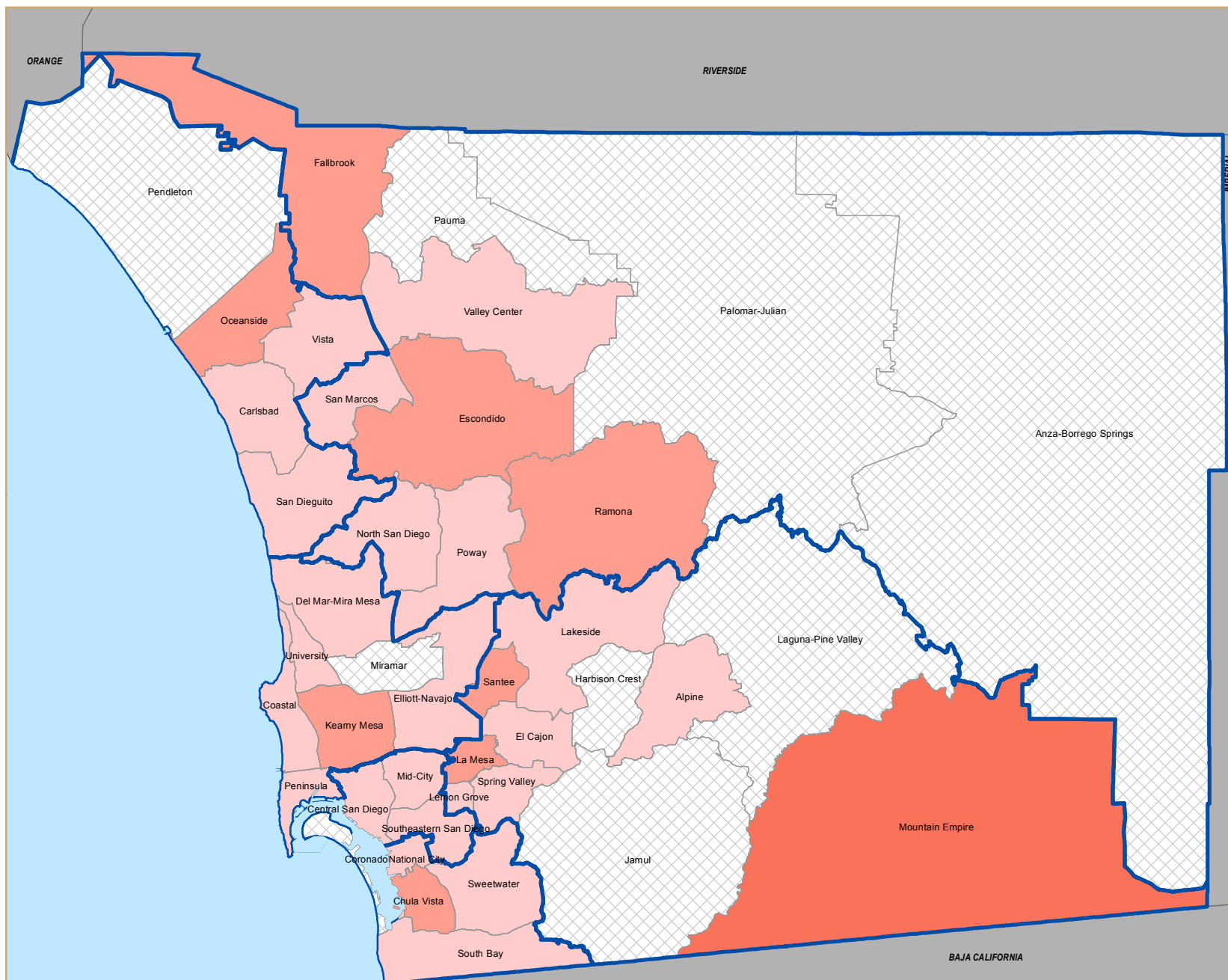
§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 10/2010.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 04/2012.

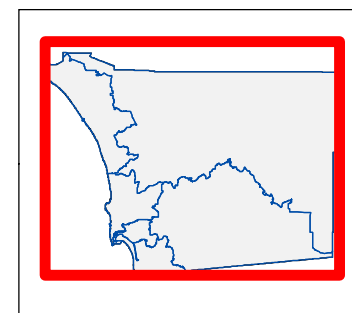
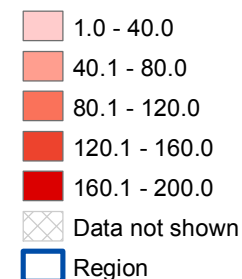
Map Date: June, 2012
Contact: Isabel Corcos or Leslie Ray,
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619.285.6429

NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Death Rates, 2009



4 2 0 4 Miles



COUNTY OF SAN DIEGO
HHSA
HEALTH AND HUMAN SERVICES AGENCY

SANDAG

SanGIS
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SanGIS is the County of San Diego's official geographic information system. It provides a web-based interface to the County's spatial data and services. For more information, visit www.sandag.org/sanGIS.

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Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 04/2012.

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619.285.6429

NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US

**COPD Hospitalization Rates
Among San Diego County Residents
by Subregional Area**

Maps by Year:

2000

2001

2002

2003

2004

2005

2006

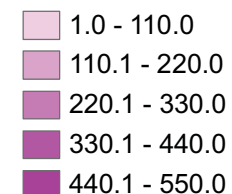
2007

2008

2009

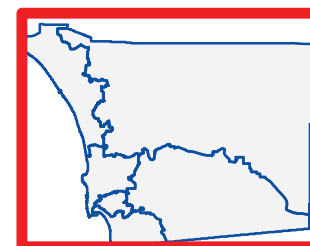
Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Hosp Rates, 2000



□ Data not shown

□ HHSA Region

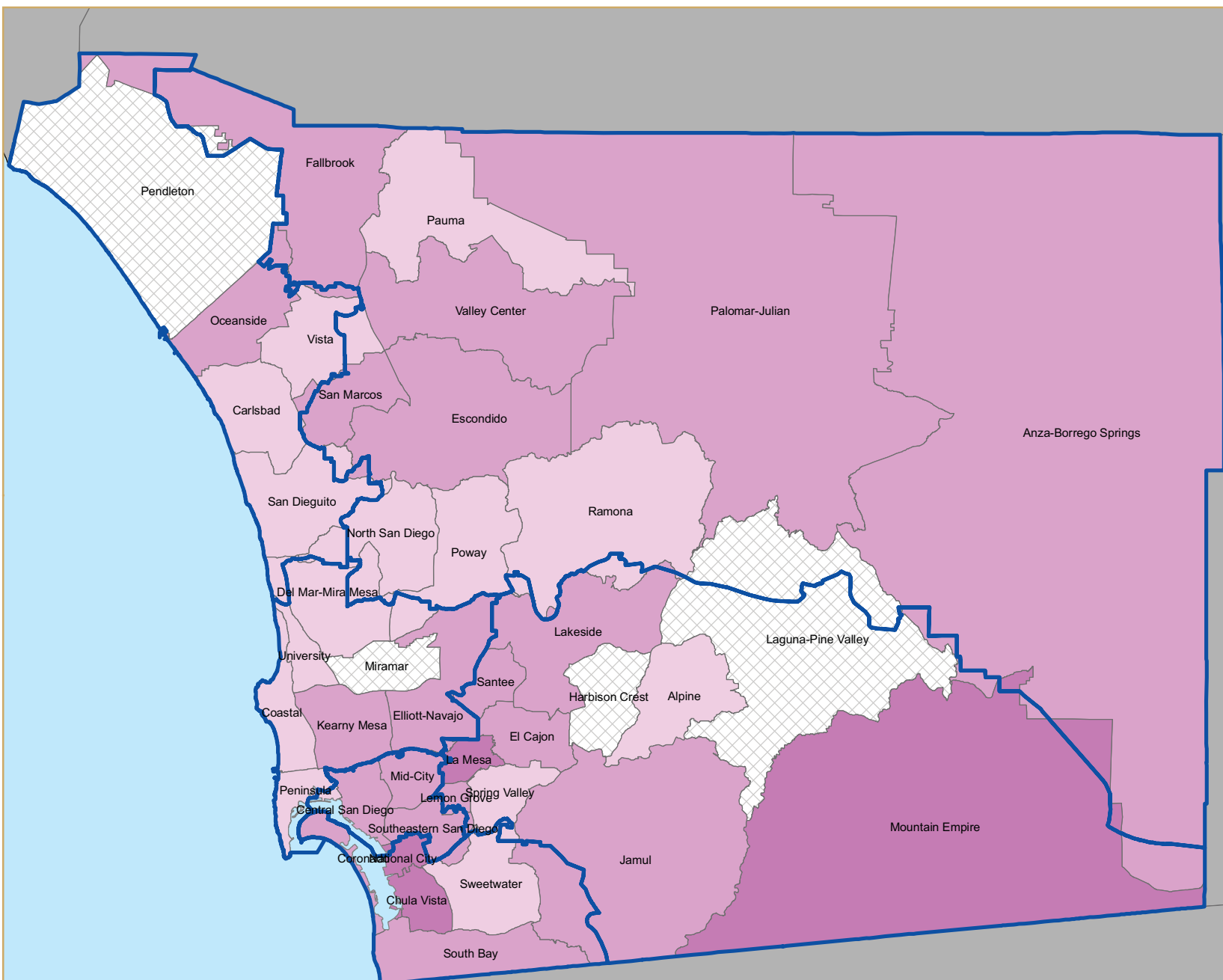


4 2 0 4 Miles



Map Date: September, 2010
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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
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* Rates per 100,000 population.

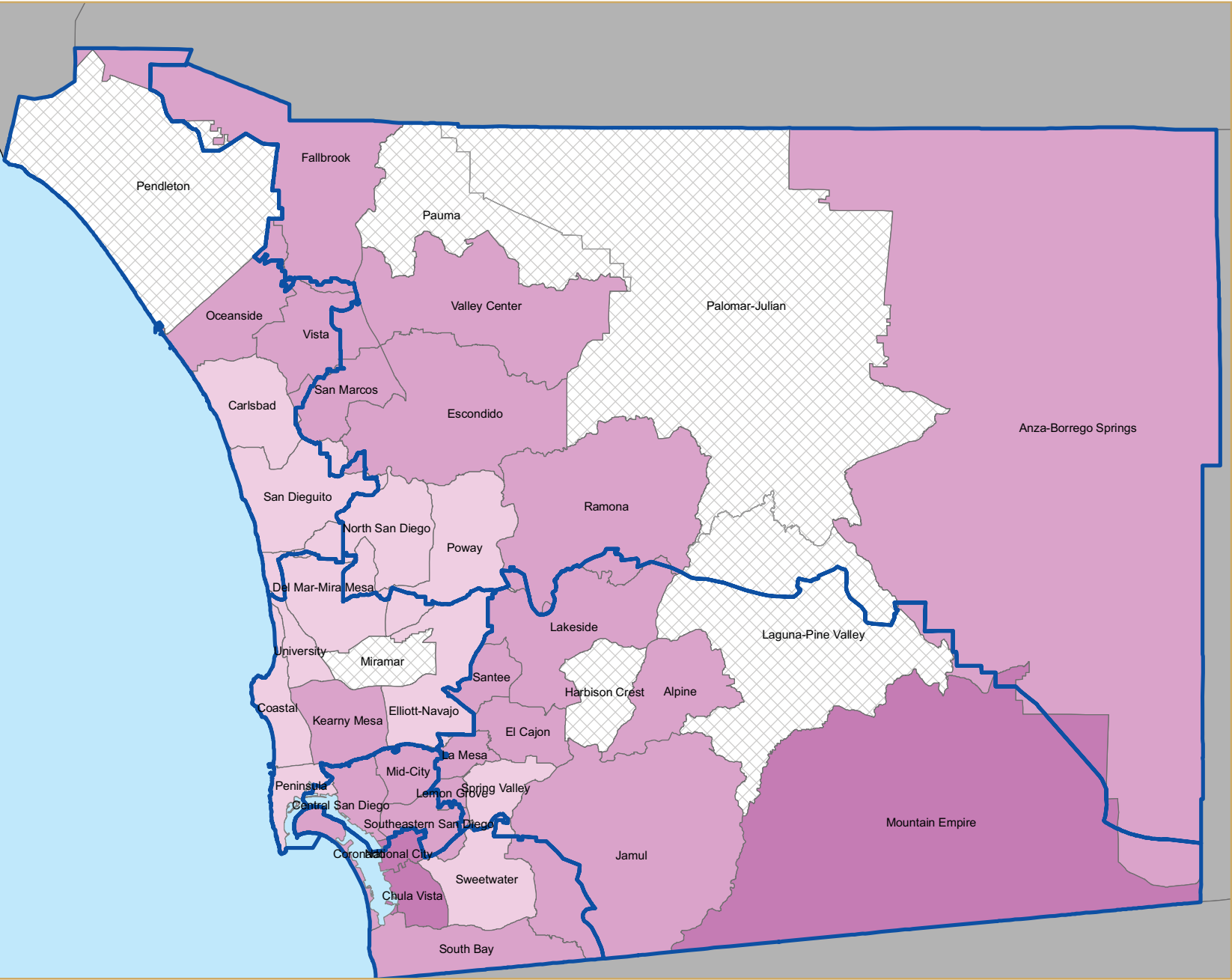
† COPD hospitalization refers to (principal diagnosis) ICD-9 codes 490-492, 496.

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch;
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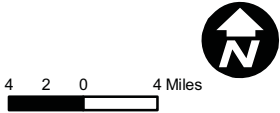
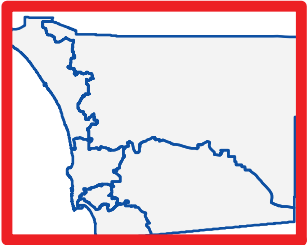
Chronic Disease Outcome Rates
by Subregional Area (SRA)
in San Diego County



COPD Hosp Rates, 2001

- 1.0 - 110.0
- 110.1 - 220.0
- 220.1 - 330.0
- 330.1 - 440.0
- 440.1 - 550.0

⊞ Data not shown
▭ HHSA Region



Map Date: September, 2010
Contact: Isabel Corcos or Leslie Ray,
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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983_Foot_US

* Rates per 100,000 population.

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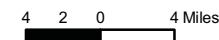
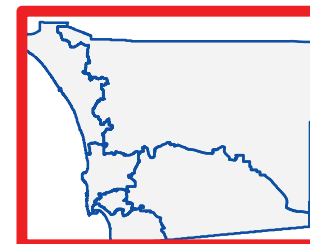
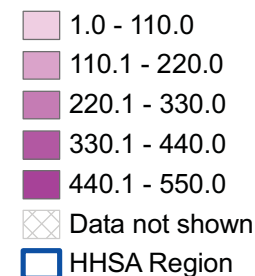
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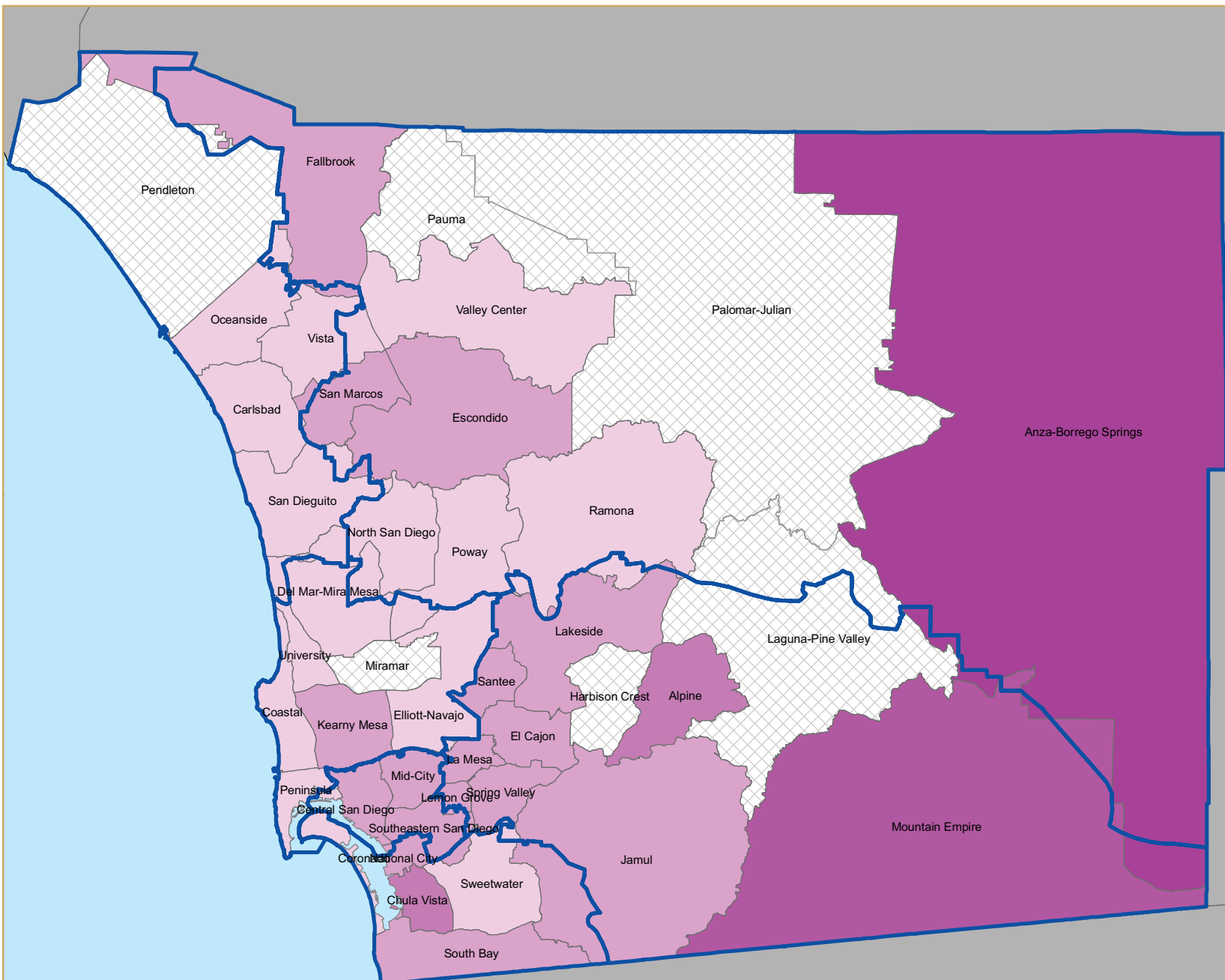
Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Hosp Rates, 2002



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NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
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* Rates per 100,000 population.

† COPD hospitalization refers to (principal diagnosis) ICD-9 codes 490-492, 496.

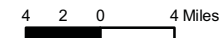
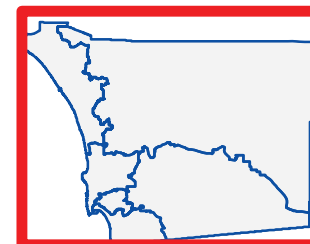
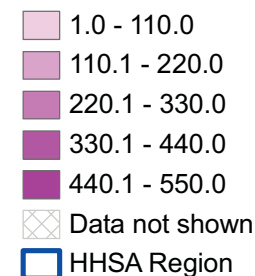
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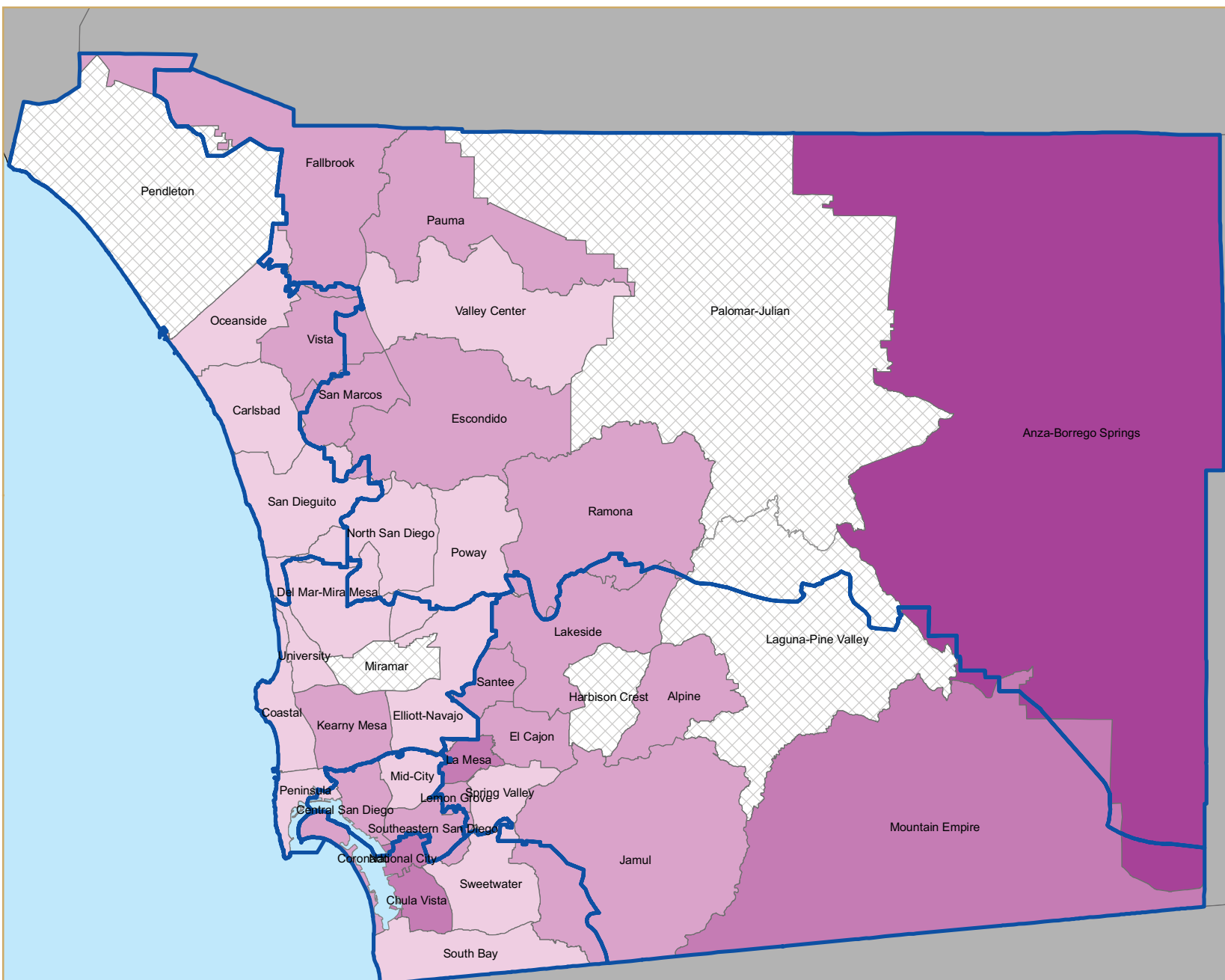
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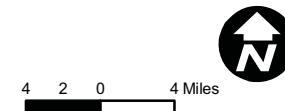
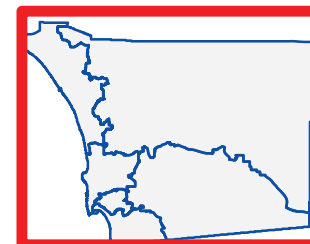
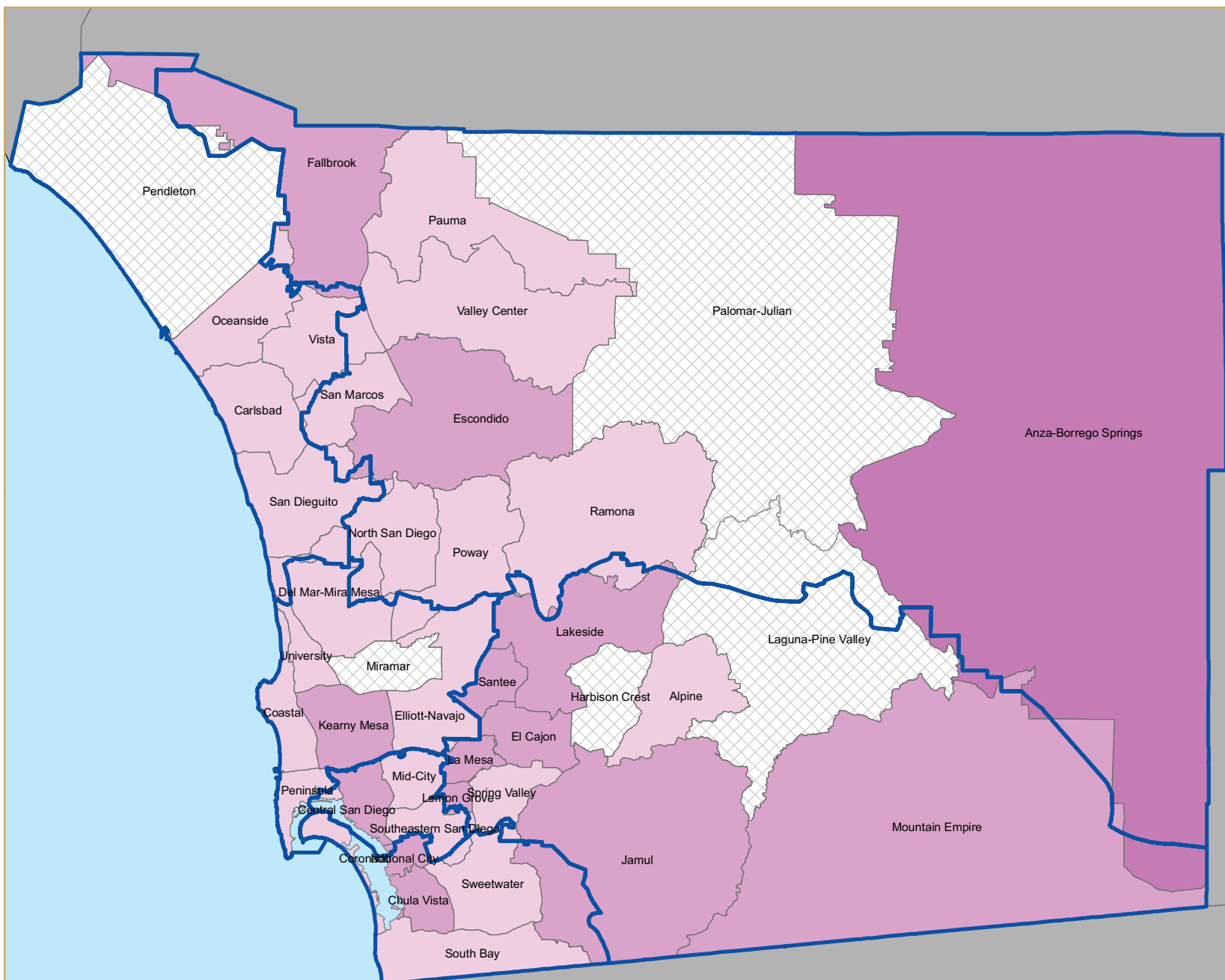
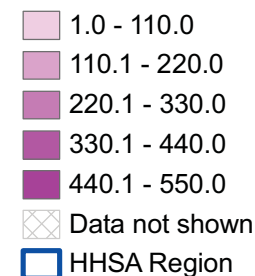
§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch;
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Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

COPD Hosp Rates, 2004



* Rates per 100,000 population.

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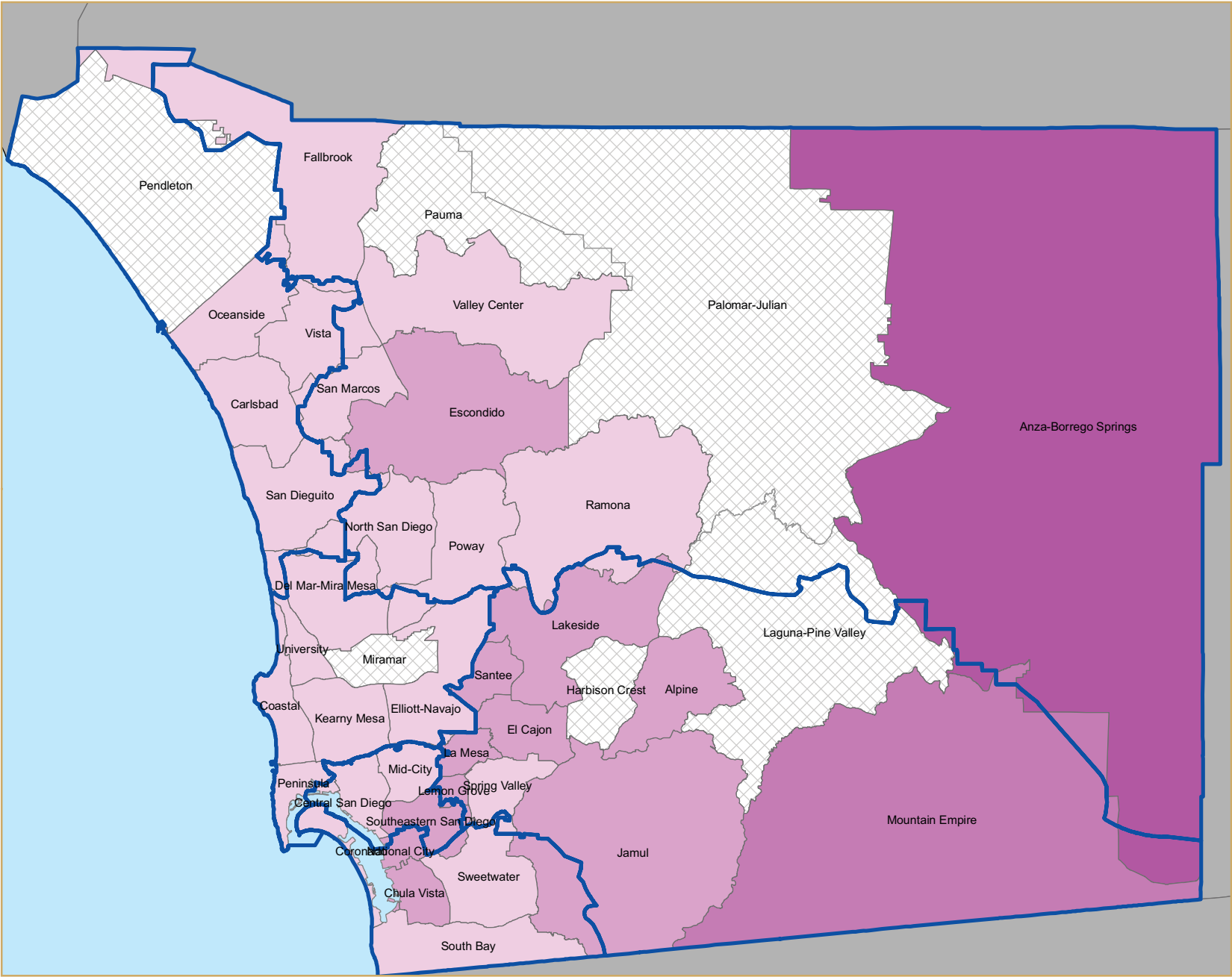
Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

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Map Date: September, 2010
Contact: Isabel Corcos or Leslie Ray,
County of San Diego Emergency Medical Services
619.285.6429

NAD_1983_StatePlane_California_VI_FIPS_0406_Feet,
D_North_American_1983, Foot_US

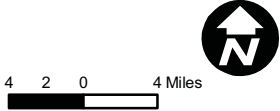
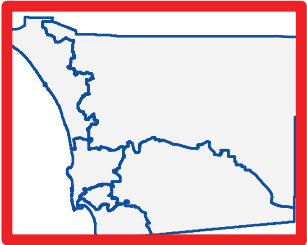
Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



COPD Hosp Rates, 2005

- 1.0 - 110.0
- 110.1 - 220.0
- 220.1 - 330.0
- 330.1 - 440.0
- 440.1 - 550.0

- Data not shown
- HHSA Region



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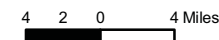
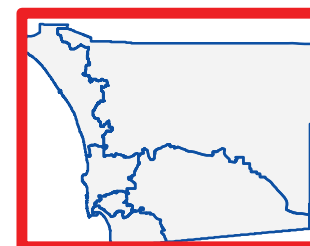
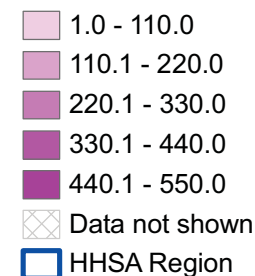
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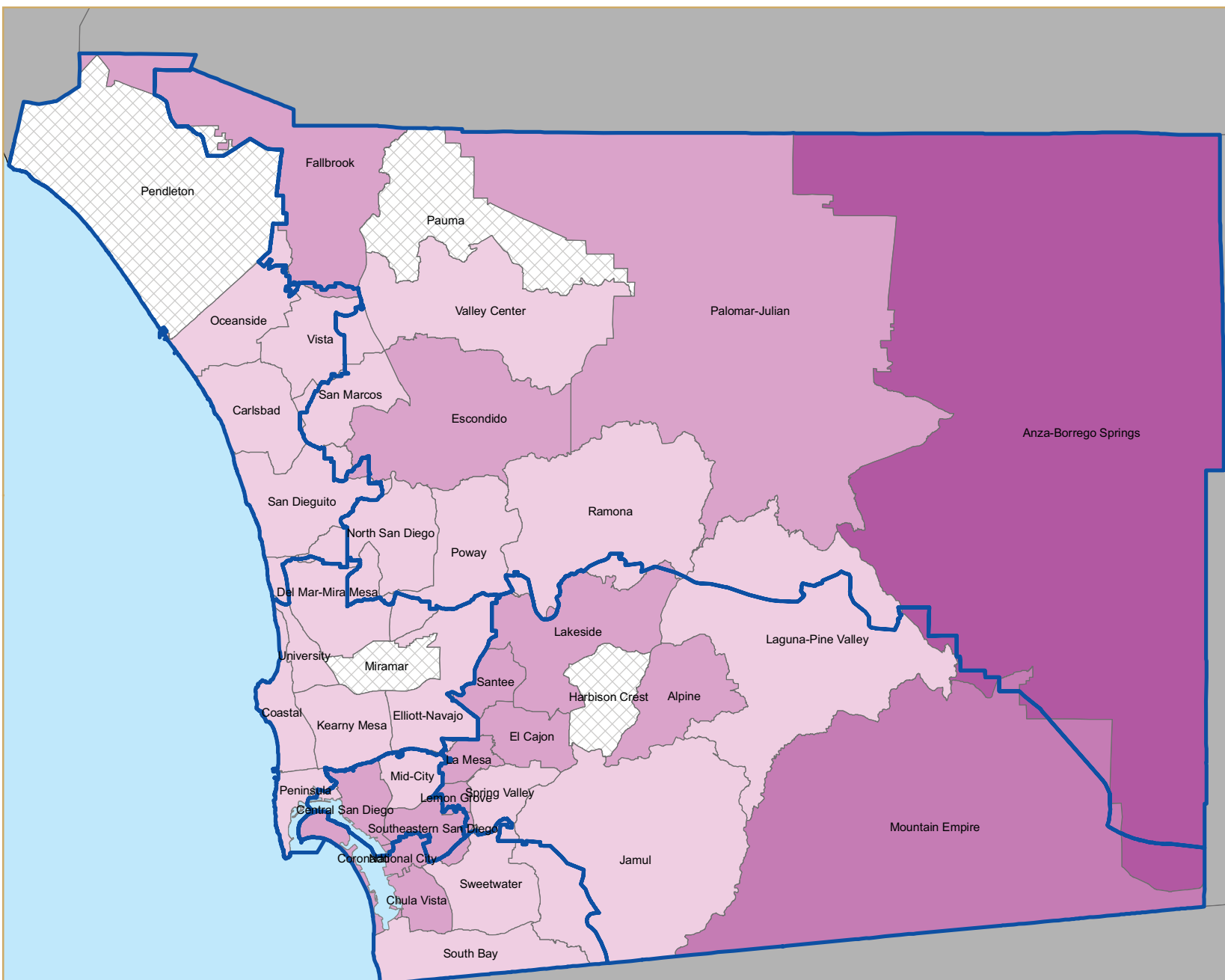
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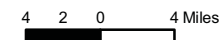
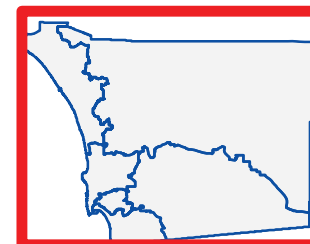
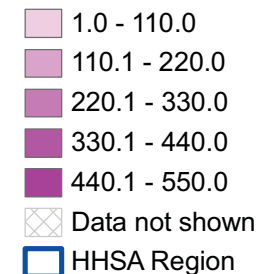
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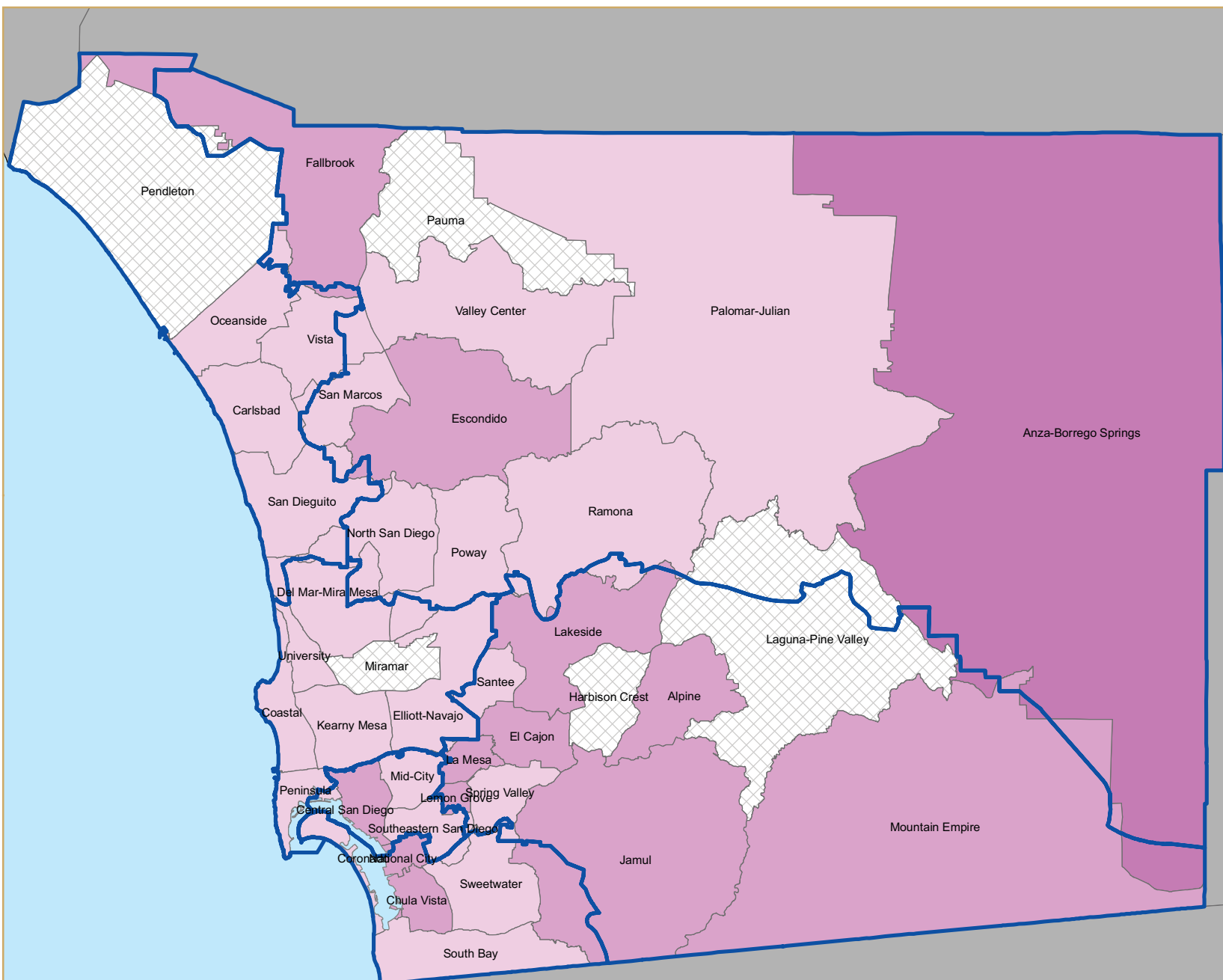
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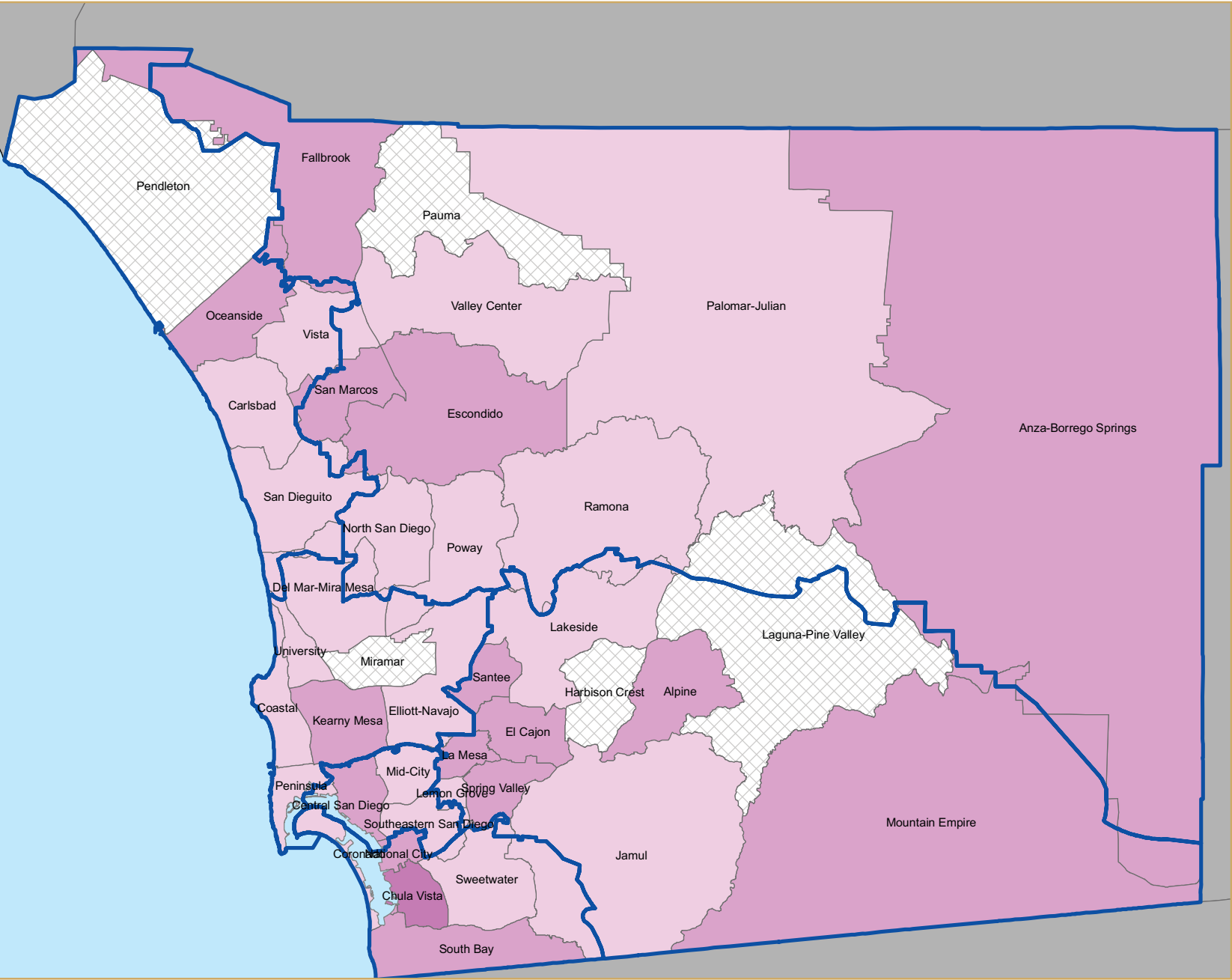
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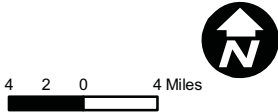
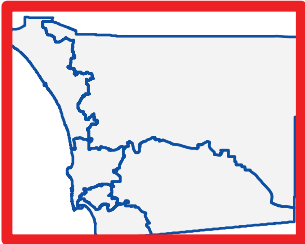
Chronic Disease Outcome Rates
by Subregional Area (SRA)
in San Diego County



COPD Hosp Rates, 2008

- 1.0 - 110.0
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- 220.1 - 330.0
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- 440.1 - 550.0

□ Data not shown
□ HHSA Region



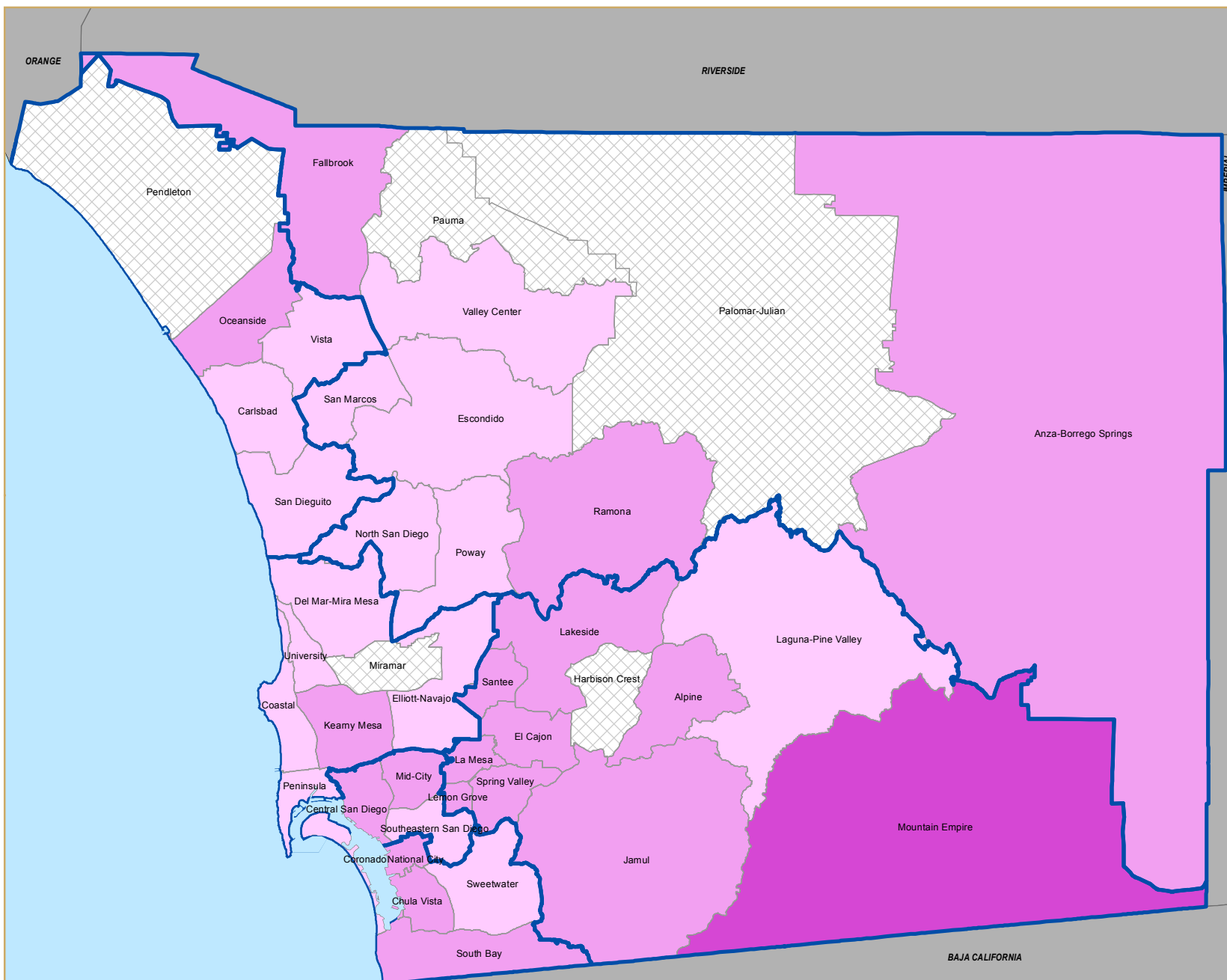
Map Date: September, 2010
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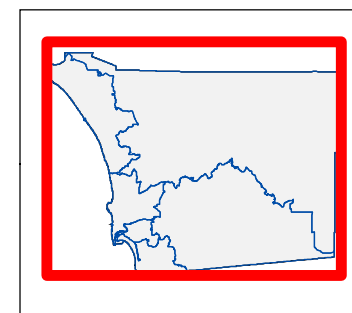
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⊞ Data not shown

▮ Region



4 2 0 4 Miles



COUNTY OF SAN DIEGO
HHSA
HEALTH AND HUMAN SERVICES AGENCY



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**COPD Emergency Department Discharge Rates
Among San Diego County Residents
by Subregional Area**

Maps by Year:

2006

2007

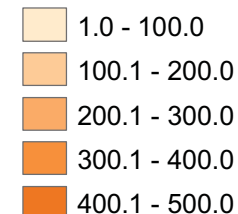
2008

2009

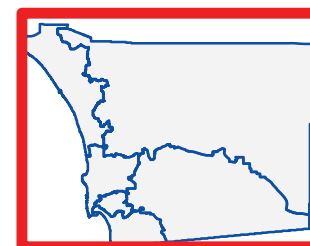
Note: ED Discharge data is a new database. 2006 is first year of available data.

Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

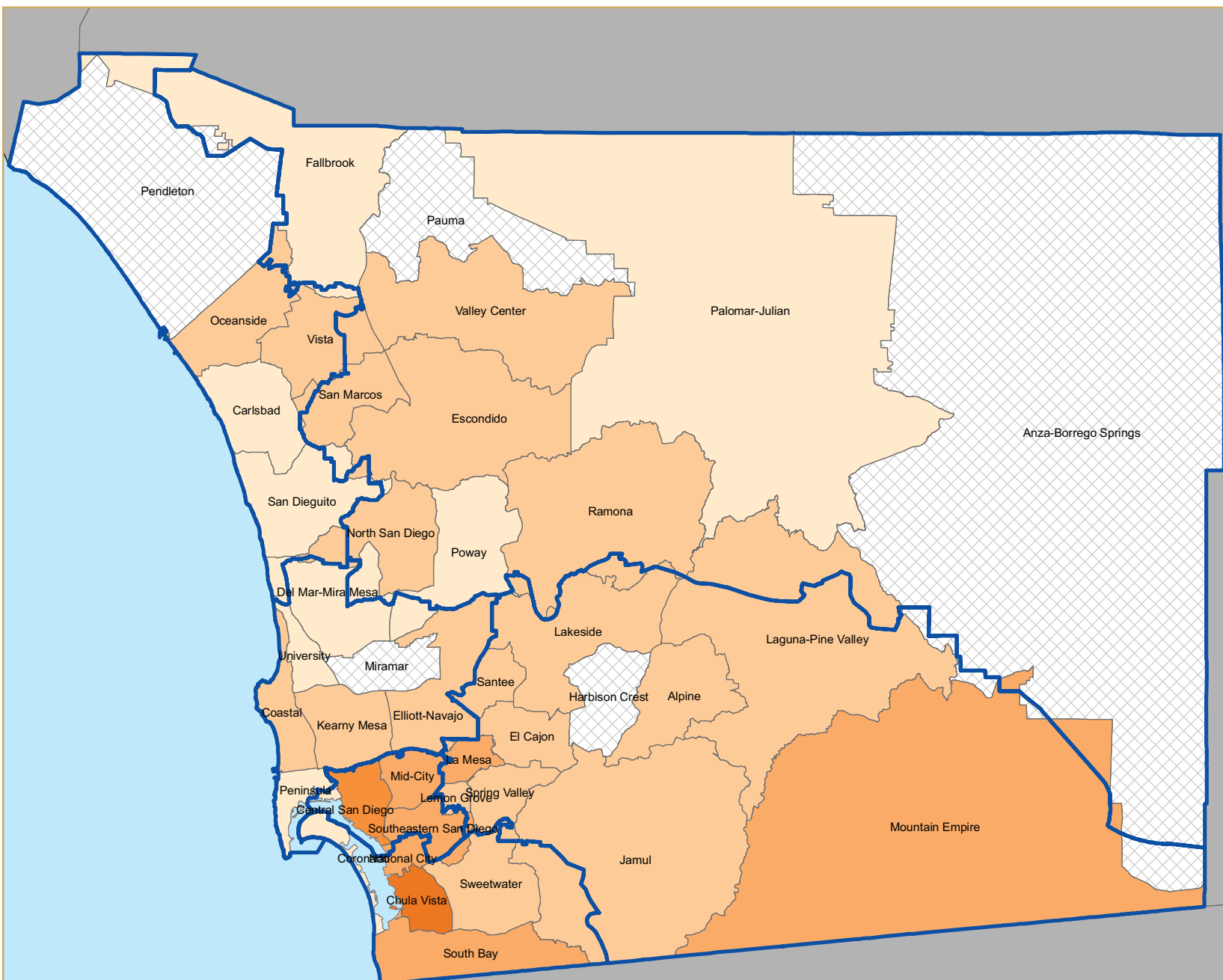
COPD ED Rates, 2006



Data not shown
 HHS Region



4 2 0 4 Miles



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Source: HASD&IC, CHIP, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database; SANDAG, Current Population Estimates, 4/24/2009.

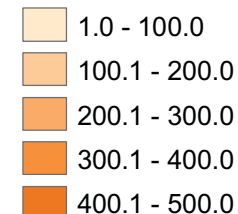
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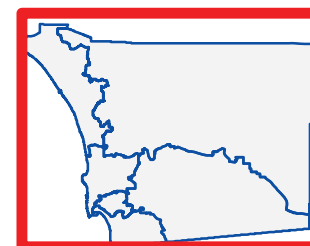
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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

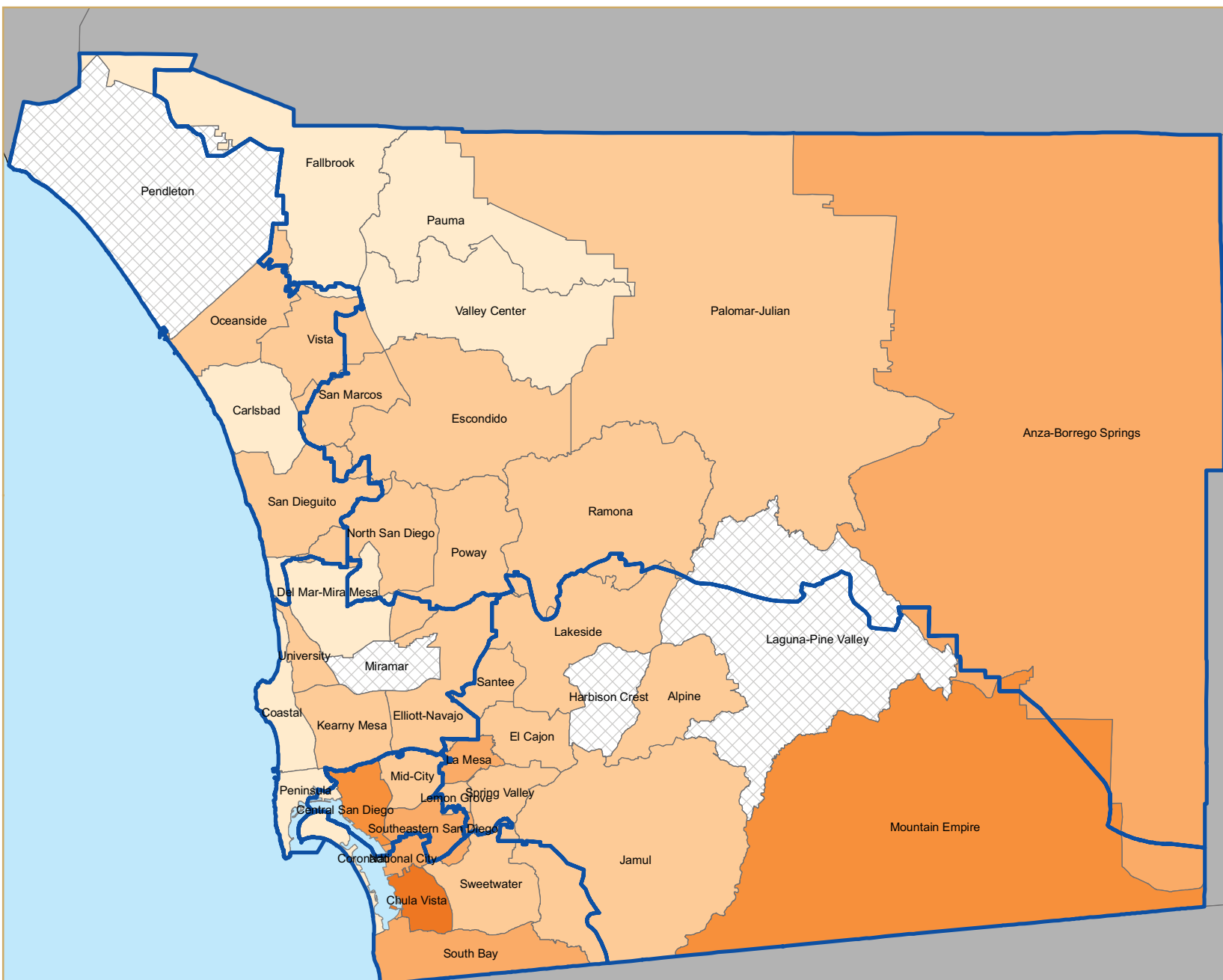
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4 2 0 4 Miles



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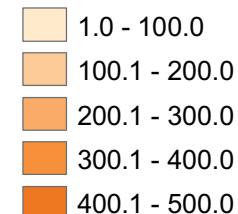
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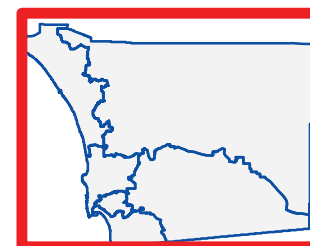
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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

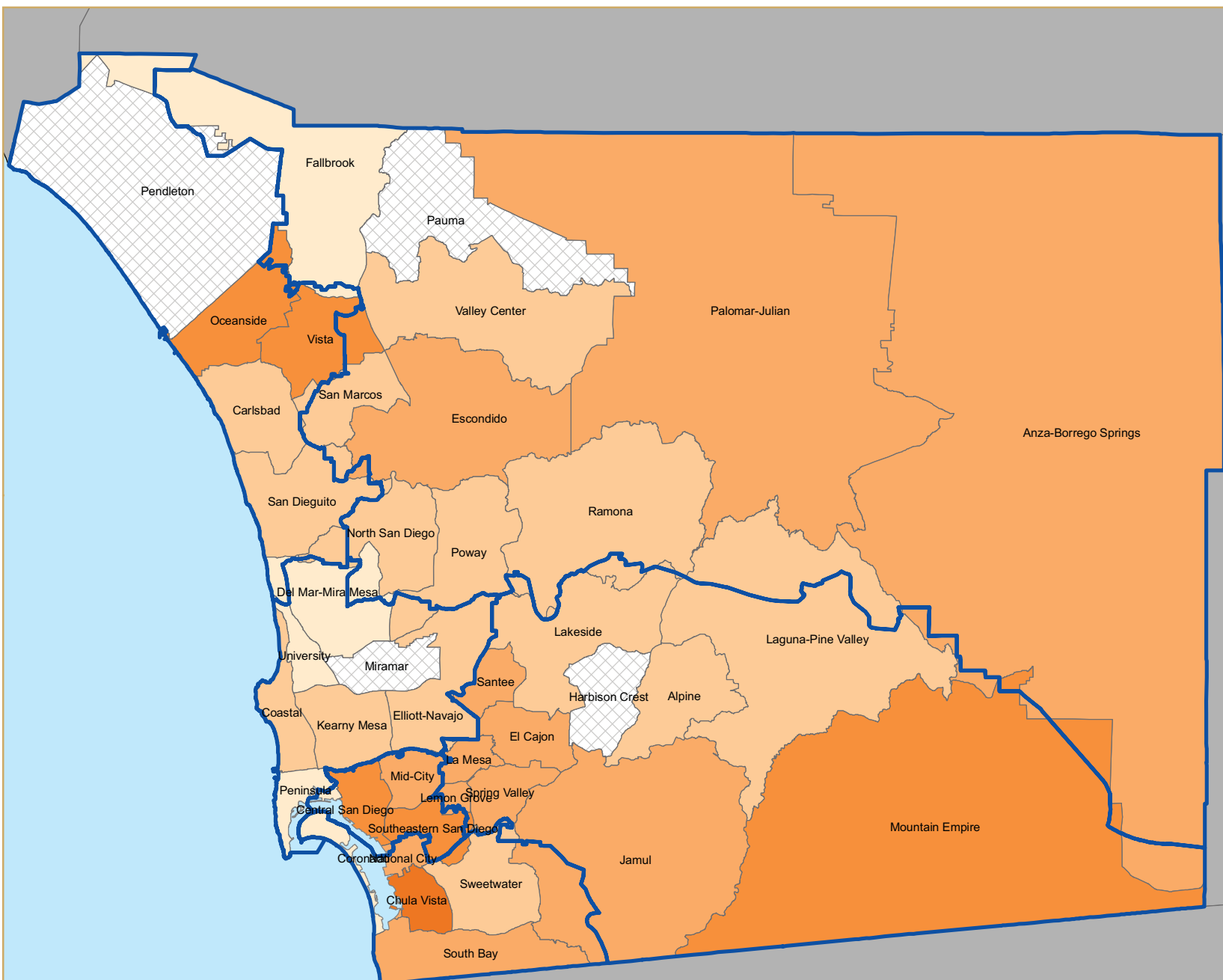
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4 2 0 4 Miles



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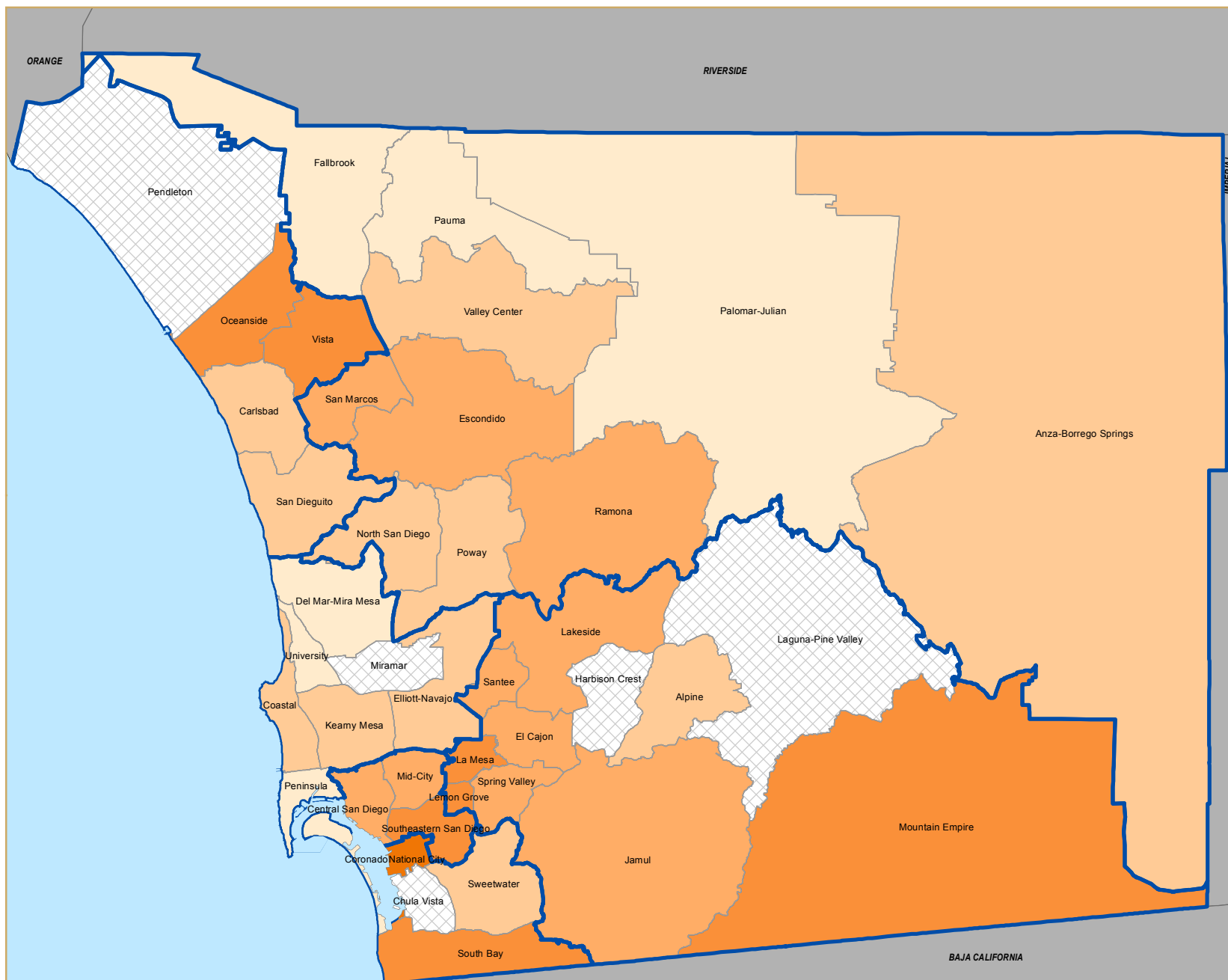
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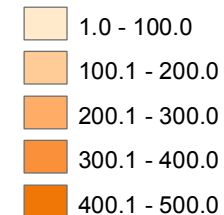
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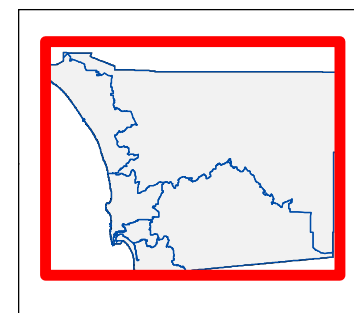
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COPD ED Rates, 2009



 Data not shown

 Region



4 2 0 4 Miles

COUNTY OF SAN DIEGO
HHSA
HEALTH AND HUMAN SERVICES AGENCY

SANDAG
We Have San Diego Covered!
SANDAG is the County of San Diego's transit agency. It provides public transportation services throughout the county. SANDAG is committed to providing safe, efficient, and reliable transit services to the community.

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San Diego County Board of Supervisors



Greg Cox
District One



Dianne Jacob
District Two



Pam Slater-Price
District Three



Ron Roberts
District Four



Bill Horn
District Five

Chief Administrative Officer
Walter F. Ekard

Assistant Chief Administrative Officer
Helen Robbins-Meyer

General Managers

Mikel D. Haas General Manager Community Services Group	Don Steuer Chief Financial Officer/General Manager Finance & General Government Group	Nick Macchione Agency Director Health and Human Services Agency	Sarah E. Aghassi General Manager Land Use & Environment Group	Ron Lane General Manager Public Safety Group
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